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XR-C7500R/C7500RX

SERVICE MANUAL

Ver 1.1 2001.05

AEP Model
UK Model
XR-C7500R/C7500RX
E Model
XR-C7500RX

Photo: XR-C7500R

(XR-C7500R/C7500RX: AEP, UK)
For RM-X4S (Remote Commander), please refer to RM-X4S Service Manual (9-925-698-□□) previously issued.

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol □□ are trademarks of Dolby Laboratories Licensing Corporation.

Model Name Using Similar Mechanism	XR-C7300/C5300R
Tape Transport Mechanism Type	MG-25G-136

SPECIFICATIONS

Cassette player section

Tape track	4-track 2-channel stereo
Wow and flutter	0.08 % (WRMS)
Frequency response	30 – 18,000 Hz
Signal-to-noise ratio	

Cassette type	Dolby B NR	Dolby NR off
TYPE II, IV	67 dB	61 dB
TYPE I	64 dB	58 dB

Tuner section

FM

Tuning range	87.5 – 108.0 MHz
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz/450 kHz
Usable sensitivity	8 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	66 dB (stereo), 72 dB (mono)
Harmonic distortion at 1 kHz	0.6 % (stereo), 0.3 % (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz

MW/LW

Tuning range	MW: 531 – 1,602 kHz LW: 153 – 279 kHz
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz/450 kHz
Sensitivity	MW: 30 µV LW: 40 µV

Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	4 – 8 ohms
Maximum power output	50 W × 4 (at 4 ohms)

General

Outputs	Audio output Power aerial relay control lead Power amplifier control lead Telephone ATT control lead
Power requirements	12 V DC car battery (negative earth)
Dimensions	Approx. 178 × 50 × 183 mm (w/h/d)
Mounting dimensions	Approx. 182 × 53 × 162 mm (w/h/d)
Mass	Approx. 1.2 kg
Supplied accessories	Parts for installation and connections (1 set) Front panel case (1) Rotary commander RM-X4S (XR-C7500R/XR-C7500RX: AEP, UK) Card remote commander RM-X91 (XR-C7500RX: E)

Design and specifications are subject to change without notice.

FM/MW/LW CASSETTE CAR STEREO

9-870-124-12
2001E0500-1
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e Vehicle Company
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SERVICING NOTES

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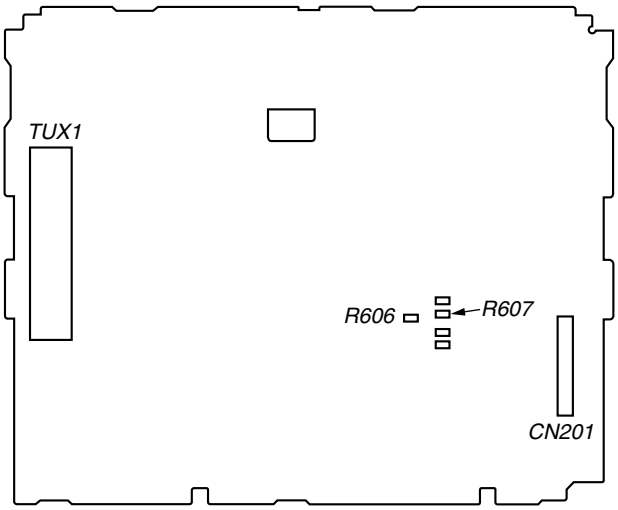
Notes on chip component replacement
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing
- Keep the temperature of the soldering iron around 270 ˚C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

MODEL IDENTIFICATION
The XR-C7500R and XR-C7500RX have three types of MAIN boards respectively.

– MAIN BOARD (Conductor Side) –



	TYPE A	TYPE B	TYPE C
R606	×	○	○
R607	○	×	○

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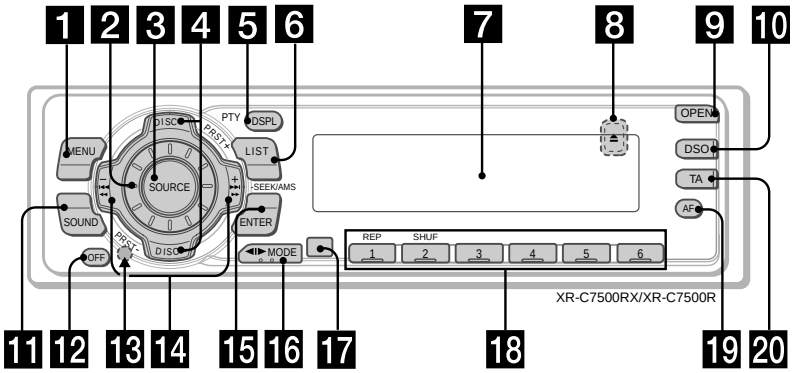
SECTION 2
GENERAL

This section is extracted from instruction manual.

Location of controls



Refer to the pages listed for details.

1 **MENU button**
9, 11, 12, 13, 15, 17, 18, 20, 21, 23, 24, 26, 27, 30, 31, 33, 34, 35
2 **Volume control dial**
3 **SOURCE (TUNER/TAPE/CD/MD) button**
6, 8, 10, 12, 13, 19, 20, 24, 25, 26, 27, 31, 34
4 **PRST/DISC +/– (cursor up/down) buttons**
8, 9, 11, 12, 13, 15, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 30, 31, 32, 33, 34, 35
During radio reception:
Preset stations select 13
During CD/MD playback:
Disc change 32
5 **DSPL/PTY (display mode change/ programme type) button**
11, 18, 23, 31, 33
6 **LIST button**
Disc memo 33
List-up 22, 34
7 **Display window**
8 **⏏ (eject) button (located on the front side of the unit behind the front panel) 10**
9 **OPEN button 7, 10, 36**
10 **DSO button 26**
11 **SOUND button 24, 25, 26**
12 **OFF button* 6, 7, 8, 10**
13 **Reset button (located on the front side of the unit behind the front panel) 7**
14 **SEEK/AMS –/+ (cursor left/right) buttons**
8, 9, 10, 11, 12, 13, 15, 17, 18, 19, 21, 23, 24, 25, 26, 27, 30, 31, 32, 33, 35
Seek 13, 15, 19
Automatic Music Sensor 10, 32
Manual search 13, 32
15 **ENTER button**
9, 11, 12, 13, 15, 17, 18, 20, 21, 22, 23, 24, 26, 27, 30, 31, 33, 34, 35
16 **MODE button 10, 11, 12, 13, 19, 20, 31, 34**
During tape playback:
Playback direction change 10
During radio reception:
BAND select 12, 13
During CD/MD playback:
CD/MD unit select 31
17 **Receptor for the card remote commander**
18 **Number buttons**
During radio reception:
Preset number select
12, 13, 16, 17, 20, 21
During tape playback:
① REP 11
During CD/MD playback:
① REP 32
② SHUF 32
19 **AF button 15, 17**
20 **TA button 16, 17**

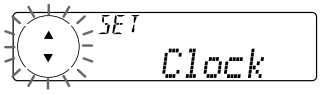
* **Warning when installing in a car without ACC (accessory) position on the ignition key switch**
Be sure to press OFF on the unit for two seconds to turn off the clock display after turning off the engine.
When you press OFF only momentarily, the clock display does not turn off and this causes battery wear.

Setting the clock

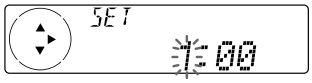
The clock uses a 24-hour digital indication.

Example: To set the clock to 10:08

1 Press MENU, then press either side of PRST/DISC repeatedly until "Clock" appears.

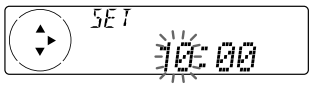


❶ Press ENTER.

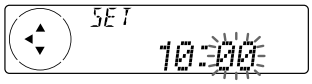


The hour indication flashes.

❷ Press either side of PRST/DISC to set the hour.

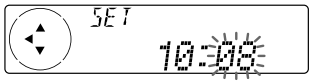


❸ Press (+) side of SEEK/AMS.

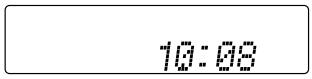


The minute indication flashes.

❹ Press either side of PRST/DISC to set the minute.



2 Press ENTER.



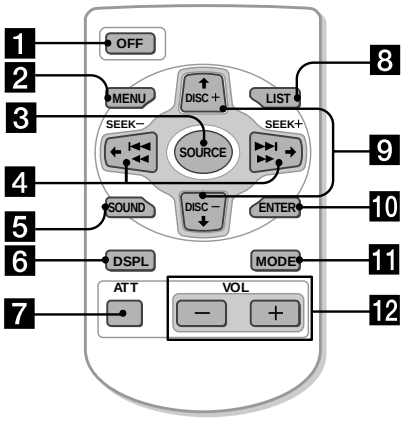
The clock starts.

After the clock setting is complete, the display returns to normal playback mode.

Tips
- *You can use the convenient CT function to set the clock automatically (page 18).*
- *When the D.Info mode is set to on, the time is always displayed (page 30).*

5

Card remote commander RM-X91 *(XR-C7500RX: E)*



The corresponding buttons of the card remote commander control the same functions as those on this unit.

1 **OFF button**
2 **MENU button**
3 **SOURCE button**
4 **SEEK/AMS (cursor ⬅/➡) buttons**
5 **SOUND button**
6 **DSPL/PTY button**
7 **ATT button**
8 **LIST button**
9 **DISC/PRST (cursor ⬆/⬇) buttons**
10 **ENTER button**
11 **MODE button**
12 **VOL buttons**

A unit turned off by pressing OFF for two seconds cannot be operated with the card remote commander unless SOURCE on the unit is pressed or a casette is inserted to activate the unit first.

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Installation

Precautions

- If you mount other Sony equipment with this unit, it is better to mount this unit in the lower position.
- There must be a distance of at least 15 cm between the cassettes slot of the unit and shift lever to insert cassette easily. Choose the installation location carefully so the unit does not interfere with gear shifting and other driving operations.
- Choose the installation location carefully so that the unit will not interfere with normal driving operations.
- Avoid installing the unit in areas subject to dust, dirt, excessive vibration, or high temperatures, such as in direct sunlight or near heater ducts.
- Use only the supplied mounting hardware for a safe and secure installation.

Mounting angle adjustment

Adjust the mounting angle to less than 20°.

Instalación

Precauciones

- Si monta otro equipo Sony con esta unidad, es preferible montar esta unidad en la posición más baja.
- Para que sea posible insertar la cinta con facilidad, debe haber una distancia de al menos 15 cm entre la ranura de inserción de cintas de la unidad y la palanca de cambios.
  Instale la unidad en un lugar que no entorpezca las operaciones de cambio de marchas o de conducción en general.
- Elija cuidadosamente el lugar de montaje de forma que la unidad no dificulte las funciones normales de conducción.
- Evite instalar la unidad donde pueda quedar sometida a altas temperaturas, como a la luz solar directa o al aire de calefacción, o a polvo, suciedad o vibraciones excesivas.
- Para realizar una instalación segura y firme, utilice solamente la ferretería de montaje suministrada.

Ajuste del ángulo de montaje

Ajuste el ángulo de montaje a menos de 20°.

Montering

Säkerhetsföreskrifter

- Om du monterar annan Sony-utrustning till denna enhet är det bäst att montera denna enhet i det undre läget.
- För att du ska kunna sätta i och ta ut bandet måste avståndet vara minst 15 cm mellan kassettfacket på enheten och växelspaken. När du installerar enheten väljer du en plats så att enheten inte är i vägen när du kör.
- Var noga när du väljer var i bilen du monterar bilstereon, så att den inte sitter i vägen när du kör.
- Montera inte bilstereon där den utsätts för värme, t ex solsken eller varmluft, eller där den utsätts för damm, smuts och/eller vibrationer.
- Använd endast de medföljande monteringstillbehören för att vara säker på att bilstereon monteras på ett säkert och korrekt sätt.

Tillåten monteringsvinkel

Monteringsvinkeln får inte vara större än 20 grader.

Instalação

Precauções

- É preferível montar este aparelho na posição mais baixa, se quiser montar simultaneamente outros equipamentos da Sony.
- Para colocar com facilidade a cassete, deve haver uma distância de pelo menos 15 cm entre a ranhura de introdução da cassete e a alavanca das mudanças.
  Escolha o local de instalação de forma a que o aparelho não interfira com as mudanças de velocidade ou com as outras manobras de condução.
- Escolha com cuidado um local apropriado para a montagem do aparelho, para que este não interfira com as manobras necessárias à condução do veículo.
- Evite instalar o aparelho onde possa estar sujeito a altas temperaturas, como em locais expostos directamente à luz do sol, ao ar quente dos aquecimentos, ou sujeitos a pó, sujidade ou vibração excessiva.
- Para efectuar uma instalação segura utilize unicamente o hardware de montagem fornecido.

Ajuste do ângulo de montagem

Ajuste o ângulo de montagem a menos de 20°.

How to detach and attach the front panel

Before installing the unit, detach the front panel.

A To detach

Before detaching the front panel, be sure to press (OFF). Press (OPEN), then slide the front panel to the right side, and pull out the left side.

B To attach

Place the hole Ⓐ in the front panel onto the spindle Ⓑ on the unit as illustrated, then push the left side in.

Forma de extraer e instalar el panel frontal

Antes de instalar la unidad, extraiga el panel frontal.

A Para extraerlo

Antes de extraer el panel frontal, ceriórese de pulsar (OFF). Después pulse (OPEN) para abrirlo, deslícelo hacia la derecha, por último, tire de su parte izquierda.

B Para instalarlo

Coloque el orificio Ⓐ del panel frontal en el eje Ⓑ de la unidad, como se muestra en la ilustración, y después presione la parte izquierda.

Ta loss/fästa frontpanelen

Ta loss frontpanelen innan du monterar bilstereon.

A Ta loss frontpanelen

Var noga med att trycka på (OFF) innan frontpanelen tas loss. Tryck därefter på (OPEN) för att öppna frontpanelen. Skjut frontpanelen åt höger och dra dess vänstra del utåt för att ta loss frontpanelen.

B Fästa frontpanelen

Placera frontpanelen så att hålet Ⓐ på frontpanelen träs över axeln Ⓑ på bilstereon enligt illustrationen. Tryck därefter frontpanelens vänstra del inåt.

Para retirar e colocar o painel frontal

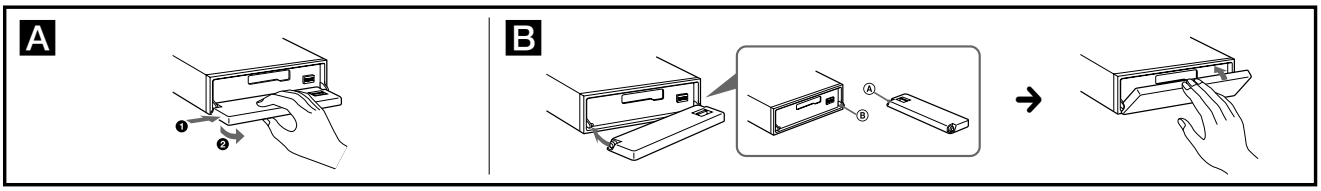
Retire o painel frontal antes de iniciar a instalação do aparelho.

A Para retirar

Antes de retirar o painel frontal, tem de carregar primeiro em (OFF). A seguir, carregue em (OPEN) para soltar o painel frontal e empurre-o para a direita. Depois puxe o lado esquerdo do painel para fora.

B Para colocar

Coloque o orificio Ⓐ do painel frontal no eixo Ⓑ do aparelho tal como ilustrado, e depois carregue no lado esquerdo para dentro.



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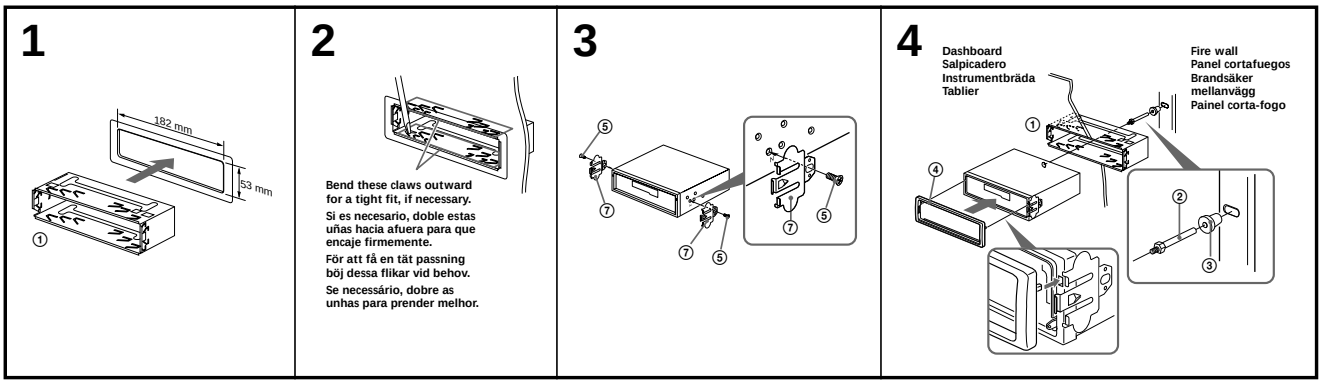
Installation in the dashboard



Note
To prevent malfunction, install only with the supplied screws ⑤.

Instalación en el salpicadero

Nota
Para evitar fallos de funcionamiento, realice la instalación únicamente con los tornillos suministrados ⑤.

Montera på instrumentbrädan

Observera
Använd bara de medföljande skruvarna ⑤, så undviker du onödiga fel.

Instalação no tablier

Nota
Para evitar avarias, instale o aparelho apenas com os parafusos fornecidos ⑤.

Reset button

When the installation and connections are complete, be sure to press the reset button with a ballpoint pen, etc.

Botón de restauración

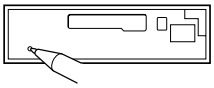
Cuando finalice la instalación y las conexiones, cerciórese de pulsar el botón de restauración con un bolígrafo, etc.

Nollställningsknappen

Kom ihåg att använda en penna eller något annat spetsigt föremål för att trycka på nollställningsknappen när anslutningen och monteringen är klar.

Botão de reinicialização

Quando terminar a instalação e as ligações, não se esqueça de carregar no botão de reinicialização com a ponta de uma caneta, esferográfica, etc.



Troubleshooting guide

The following check will assist in the correction of most problems which you may encounter with your unit. Before going through the check list below, refer to the connection and operating procedures.

Problem	Cause
• Memorised stations and correct time are erased. • The fuse has blown. • Makes noise when the ignition key is the ON, ACC and OFF positions.	Leads are not matched correctly with the car's accessory power connector.
• No power is being supplied to the unit. • The power is continuously supplied to the unit.	The car doesn't have an ACC position.
The power aerial does not extend.	The power aerial does not have a relay box.

Guía de solución de problemas

La siguiente lista de comprobaciones le ayudará a solucionar la mayoría de los problemas que puedan surgir con la unidad. Antes de consultar la lista, compruebe los procedimientos de conexión y funcionamiento.

Problema	Causa
• Se han borrado las emisoras memorizadas y la hora correcta. • El fusible se ha fundido. • Se produce ruido cuando la llave de encendido se encuentra en las posiciones ON, ACC y OFF.	Los cables no coinciden correctamente con el conector de alimentación accesoria del automóvil.
• La unidad no recibe alimentación. • La unidad recibe alimentación de forma continua.	El automóvil no dispone de posición ACC.
La antena motorizada no se despliega.	La antena motorizada no tiene un dispositivo de relé.

Felsökning

De flesta problem som kan uppstå med enheten kan åtgärdas genom att kontrollera följande. Innan du går igenom punkterna nedan bör du läsa instruktionerna för anslutning och handhavande.

Problem	Orsak
• Minneslagrade stationer och aktuell tid har raderats. • Säkringen har gått. • Brus när tändningsnyckeln är i läge ON, ACC och OFF.	Kablarna är inte kopplade på rätt sätt till bilens anslutning för tillbehör.
• Ingen ström till enheten. • Kontinuerlig ström till enheten.	Bilen har inte något ACC-läge.
Motorantennen åker inte ut.	Motorantennen har ingen relädosa.

Guia de detecção de avarias

A verificação seguinte ajuda-o a corrigir a maioria das avarias que podem ocorrer no aparelho. Antes de utilizar a lista de verificação abaixo, consulte as instruções de funcionamento e de ligação.

Problema	Causa
• As estações memorizadas e a hora correcta são apagadas. • O fusível rebentou. • Faz ruído se a chave de ignição estiver nas posições ON, ACC e OFF.	A correspondência entre os fios de ligação e o conector de alimentação de acessórios não está correcta.
• O aparelho não está a receber corrente. • O aparelho está a receber continuamente corrente.	O carro não tem posição ACC.
A antena eléctrica não estica.	A antena eléctrica não tem caixa de relé.

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Connections

Cautions

- This unit is designed for negative earth 12 V DC operation only.
- Be careful not to pinch any wires between a screw and the body of the car or this unit or between any moving parts such as the seat railing, etc.
- Connect the power connecting cord ⑧ to the unit and speakers before connecting it to the auxiliary power connector.
- **Run all earth wires to a common earth point.**
- Connect the yellow cord to a free car circuit rated higher than the unit's fuse rating. If you connect this unit in combination with other stereo components, the car circuit they are connected to must be rated higher than the sum of the individual components' fuse rating. If there are no car circuits rated as high as the unit's fuse rating, connect the unit directly to the battery. If no car circuits are available for connecting this unit, connect the unit to a car circuit rated higher than the unit's fuse rating in such a way that if the unit blows its fuse, no other circuits will be cut off.

Warning when installing in a car without ACC (accessory) position on the ignition key switch

Be sure to press (OFF) on the unit for two seconds to turn off the clock display after turned off the engine.
When you press (OFF) momentarily, the clock display does not turn off and this causes battery wear.

Notes of connection example

Notes on the control leads
- *The power aerial control lead (blue) supplies +12 V DC when you turn on the tuner or when you activate the ATA (Automatic Tuner Activation), AF (Alternative Frequency) or the TA (Traffic Announcement) function.*
- *A power aerial without a relay box cannot be used with this unit.*
- *When your car has a built-in FM/MW/LW aerial in the rear/side glass, it is necessary to connect the power aerial control lead (blue) or the accessory power input lead (red) to the power terminal of the existing aerial booster. For details, consult your dealer.*

Warning
If you have a power aerial without a relay box, connecting this unit with the supplied power connecting cord ⑧ may damage the aerial.

Memory hold connection
When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

Notes on speaker connection
- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities. Otherwise, the speakers may be damaged.*
- *Do not connect the terminals of the speaker system to the car chassis, and do not connect the terminals of the right speaker with those of the left speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Do not connect any active speakers (with built-in amplifiers) to the speaker terminals of the unit. Doing so may damage the active speakers. Be sure to connect passive speakers to these terminals.*

After connecting

After connecting, bundle up the connecting cord of the rotary commander with other connecting cords of the audio equipment by attaching the supplied cramper ⑪. Be sure to leave some slack in the connecting cord between the plug and the cramper as illustrated.

Conexiones

Precauciones

- Esta unidad ha sido diseñada para alimentarse con 12 V CC, negativo a masa, solamente.
- Tenga cuidado de no atrapar ningún cable entre algún tornillo y la carrocería del automóvil o esta unidad o entre las partes móviles, como por ejemplo los raíles del asiento, etc.
- Conecte el cable de conexión de alimentación ⑧ a la unidad y los altavoces antes de conectarlo al conector de alimentación auxiliar.
- **Conecte todos los cables de puesta a masa a un punto común.**
- Conecte el cable amarillo a un circuito libre del automóvil de potencia nominal superior a la del fusible de la unidad. Si conecta esta unidad en combinación con otros componentes estéreo, la potencia nominal del circuito del automóvil a los que dichos componentes estén conectados debe ser superior a la suma de la potencia nominal del fusible de los componentes. Si no existen circuitos de automóvil de potencia nominal tan alta como la del fusible de la unidad, conecte ésta directamente a la batería. Si no hay circuitos de automóvil disponibles para conectar esta unidad, conecte la misma a un circuito de automóvil de potencia nominal superior a la del fusible de la unidad de forma que no se desactiven otros circuitos si el fusible de dicha unidad se funde.

Advertencia sobre la instalación en un automóvil que no disponga de posición ACC (accesorios) en el interruptor de la llave de encendido

Asegúrese de pulsar (OFF) en la unidad durante dos segundos para desactivar la indicación del reloj una vez apagado el motor.
Si pulsa (OFF) momentáneamente, la indicación del reloj no se desactivará y esto causará el desgaste de la batería.

Notas de ejemplo de conexiones

Notas sobre cables de control
- *El cable de control (azul) de la antena motorizada suministra + 12 V CC al activar el sintonizador o la función ATA (activación automática del sintonizador), AF (frecuencias alternativas) o TA (anuncios de tráfico).*
- *Con esta unidad no podrá utilizarse una antena motorizada sin caja de relés.*
- *Si el automóvil dispone de antena de FM/MW/LW incorporada en el cristal trasero/lateral, será necesario conectar el cable de control de antena motorizada (azul) o el cable de entrada de alimentación accesoria (rojo) al terminal de potencia del amplificador de antena existente. Para más información, consulte con el proveedor.*

Advertencia
Si dispone de una antena motorizada sin dispositivo de relé, la conexión de esta unidad con el cable de conexión de alimentación ⑧ suministrado puede dañar la antena.

Conexión para protección de la memoria
Si conecta el cable de entrada de alimentación amarillo, el circuito de la memoria recibirá siempre alimentación, incluso aunque ponga la llave de encendido en la posición de apagado.

Notas sobre la conexión de los altavoces
- *Antes de conectar los altavoces, desconecte la alimentación de la unidad.*
- *Utilice altavoces con una impedancia de 4 a 8 ohmios, y con la potencia máxima admisible adecuada, ya que de lo contrario podría dañarlos.*
- *No conecte los terminales del sistema de altavoces al chasis del automóvil, ni los del altavoz izquierdo a los del derecho.*
- *No intente conectar los altavoces en paralelo.*
- *No conecte altavoces activos (con amplificadores incorporados) a los terminales de altavoces de la unidad. Si lo hiciese, podría dañar tales altavoces. Por lo tanto, cerciórese de conectar altavoces pasivos a estos terminales.*

Después de realizar la conexión

Una vez realizada la conexión, recoja el cable de conexión del mando con el resto de los cables de conexión del equipo de audio mediante el fijador de cables ⑪. Como muestra la ilustración, procure dejar un espacio en el cable de conexión entre el enchufe y el fijador de cables.

Anslutning

Säkerhetsföreskrifter

- Denna bilstereo är endast avsedd för anslutning till ett negativt jordat, 12 V bilbatteri.
- Var noga med att inga kablar kläms mellan någon skruv eller att de blir klämda mellan rörliga delar som t.ex. bilsätet.
- Anslut strömkabeln ⑧ till enheten och högtalarna innan du ansluter den till den yttre strömanslutningen.
- **Dra samtliga jordledningar till en och samma jordningspunkt.**
- Anslut den gula kabeln till en ledig bilkrets med ett högre amperetal än enhetens. Om du kopplar både denna enhet och andra stereokomponenter till en och samma bilkrets, måste den bilkrets de kopplas till ha en högre ampere än summan av de enskilda delarnas amperestyrka. Om det inte finns några bilkretsar med en så hög amperestyrka som enhetens ska du ansluta enheten direkt till batteriet. Om inga bilkretsar finns för anslutning till enheten ska du ansluta enheten till en bilkrets med ett högre amperetal än enhetens säkring, så att det är denna som går i stället för bilens.

Var försiktig när du gör installationen i en bil där tändningslåset saknar tillbehörsläge (ACC)

Glöm inte att trycka på (OFF) på enheten under två sekunder för att stänga av klockans teckenfönster efter det att du har stängt av motorn.
Om du bara trycker på (OFF) ett kort ögonblick slocknar inte klockans teckenfönster vilket kan leda till att batteriet laddas ur.

Att observera angående anslutningsexemplen

Att observera angående de olika styrkablarna
- *Motorantennens styrkabel (blå) leder + 12 V likström när kanalväljaren slås på eller när radiomottagningsautomatik ATA, mottagning av alternativa frekvenser AF eller mottagning av trafikmeddelanden TA aktiverats.*
- *En motorantenn utan styrrelädosa kan inte anslutas till denna bilstereo.*
- *Om bilen har en FM/MW/LW-antenn som är inbyggd i sido- eller bakrutan, måste du ansluta motorantennens styrkabel (blå) eller tillbehörsströmkabeln (röd) till strömterminalen på antennförstärkaren. Din återförsäljare kan ge dig mer information.*

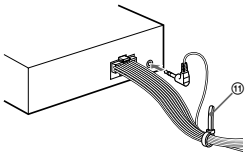
Varning
Om du har en motorantenn utan relädosa kan antennen skadas om du ansluter enheten med den medföljande strömkabeln ⑧.

Anslutning för minnesstöd
När du anslutit den gula, ingående strömkabeln försörjs minneskretsen med ström hela tiden, även när tändlåset slås ifrån.

Att observera angående högtalarnas anslutning
- *Slå av bilstereon innan du ansluter högtalarna.*
- *Anslut endast högtalare, vars impedans varierar från 4 till 8 ohm och som har tillräcklig effekthanteringskapacitet för att skydda högtalarna mot skador.*
- *Anslut inte något av högtalaruttagen till bilens chassi. Anslut inte heller uttagen på höger högtalare till uttagen på vänster högtalare.*
- *Anslut inte högtalarna parallellt.*
- *Anslut inte aktiva högtalare (med inbyggda slutsteg) till bilstereons högtalaruttag, eftersom de kan skada de aktiva högtalarna. Var noga med att bara ansluta passiva högtalare till dessa uttag.*

Efter anslutningen

När du är klar fäster du ihop sladden till vridkontrollen och andra sladdar till ljudutrustningen med medföljande krampa ⑪. Se till så att sladdarna mellan kontakten och fästanordningen inte blir för hårt spända, se bilden.



Ligações

Cuidado

- Este aparelho foi concebido para funcionar somente com corrente contínua de 12 V com negativo à massa.
- Tenha cuidado para que os fios não fiquem entalados entre os parafusos e a carroçaria do automóvel ou a caixa do aparelho, nem entre as peças móveis, por exemplo, as calhas dos bancos, etc.
- Ligue o cabo de alimentação de corrente ⑧ ao aparelho e aos alifalantes antes de o ligar ao conector de corrente auxiliar.
- **Ligue todos os cabos de massa num ponto de massa comum.**
- Ligue o cabo amarelo a um circuito eléctrico livre do automóvel, cuja potência nominal seja superior à dos fusíveis do aparelho. Se ligar este aparelho em série com outros componentes estéreo, a potência nominal do circuito eléctrico do automóvel onde os ligar tem de ser superior à soma da potência nominal dos fusíveis de todos os componentes individuais. Se não houver nenhum circuito eléctrico do automóvel com uma potência nominal tão elevada como a dos fusíveis do aparelho, ligue-o directamente à bateria. Se não estiver disponível nenhum circuito eléctrico do automóvel para ligação deste aparelho, ligue-o a um circuito eléctrico do automóvel com uma potência nominal superior à dos fusíveis do aparelho, de tal modo que, se o aparelho rebentar os fusíveis respectivos, nenhum outro circuito seja cortado.

Aviso sobre a instalação num automóvel sem posição ACC (acessórios) na chave de ignição

Verifique se carregou em (OFF) no aparelho durante dois segundos para desactivar o visor do relógio depois de ter desligado o motor.
Se carregar ligeiramente em (OFF), não desactiva o visor do relógio o que provoca o desgaste da bateria.

Notas sobre o exemplo de ligação

Notas sobre os fios de controlo
- *O fio de controlo da antena eléctrica (azul) fornece +12 V CC quando ligar o sintonizador ou quando activar as funções ATA (Activação automática do sintonizador), AF (frequência alternativa) ou TA (Informações de trânsito).*
- *Não pode utilizar uma antena eléctrica sem caixa de relé com este aparelho.*
- *Se o seu automóvel tiver uma antena de FM/MW/LW montada no vidro traseiro/lateral, tem de ligar o fio de controlo da antena eléctrica (azul) ou o fio de entrada de alimentação para os acessórios (vermelho) ao terminal de alimentação do intensificador do sinal da antena existente.*

Advertência
Se a antena eléctrica não tiver uma caixa de relé, o facto de ligar este aparelho com o cabo de alimentação ⑧ fornecido, pode provocar danos na antena.

Ligação para alimentação contínua da memória
Quando o fio amarelo de entrada de alimentação for ligado, os circuitos de memória ficarão com alimentação contínua, mesmo se a chave de ignição estiver desligada.

Notas sobre a ligação dos altifalantes
- *Antes de ligar os altifalantes, desligue o aparelho.*
- *Utilize altifalantes com impedância de 4 a 8 ohm, e com potência máxima admissível adequada. Caso contrário, os altifalantes poderão sofrer avarias.*
- *Não ligue os terminais do sistema de altifalantes ao chassis do automóvel, e não ligue os terminais do altifalante direito aos terminais do altifalante esquerdo.*
- *Não tente ligar os altifalantes em paralelo.*
- *Não ligue nenhum sistema de altifalantes activos (com amplificadores incorporados) aos terminais dos altifalantes do aparelho. Caso o faça, poderá avariar o sistema de altifalantes activos. Portanto, não se esqueça de ligar altifalantes passivos a estes terminais.*

Depois de efectuar a ligação

Depois de ter efectuado a ligação, ate o cabo de ligação do comando aos outros cabos de ligação do equipamento áudio mediante a utilização da braçadeira ⑪ fornecida. Deixe alguma folga no cabo de ligação entre a ficha e a braçadeira, conforme a ilustração.

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(XR-C7500R/XR-C7500RX: AEP, UK)

Connection example

*1 ***Note for the aerial connecting***
If your car aerial is an ISO (International Organisation for Standardisation) type, use the supplied adaptor ⑥ to connect it.
First connect the car aerial to the supplied adaptor, then connect it to the aerial jack of the master unit.
*2 ***RCA pin cord (not supplied)***

Ejemplo de conexiones

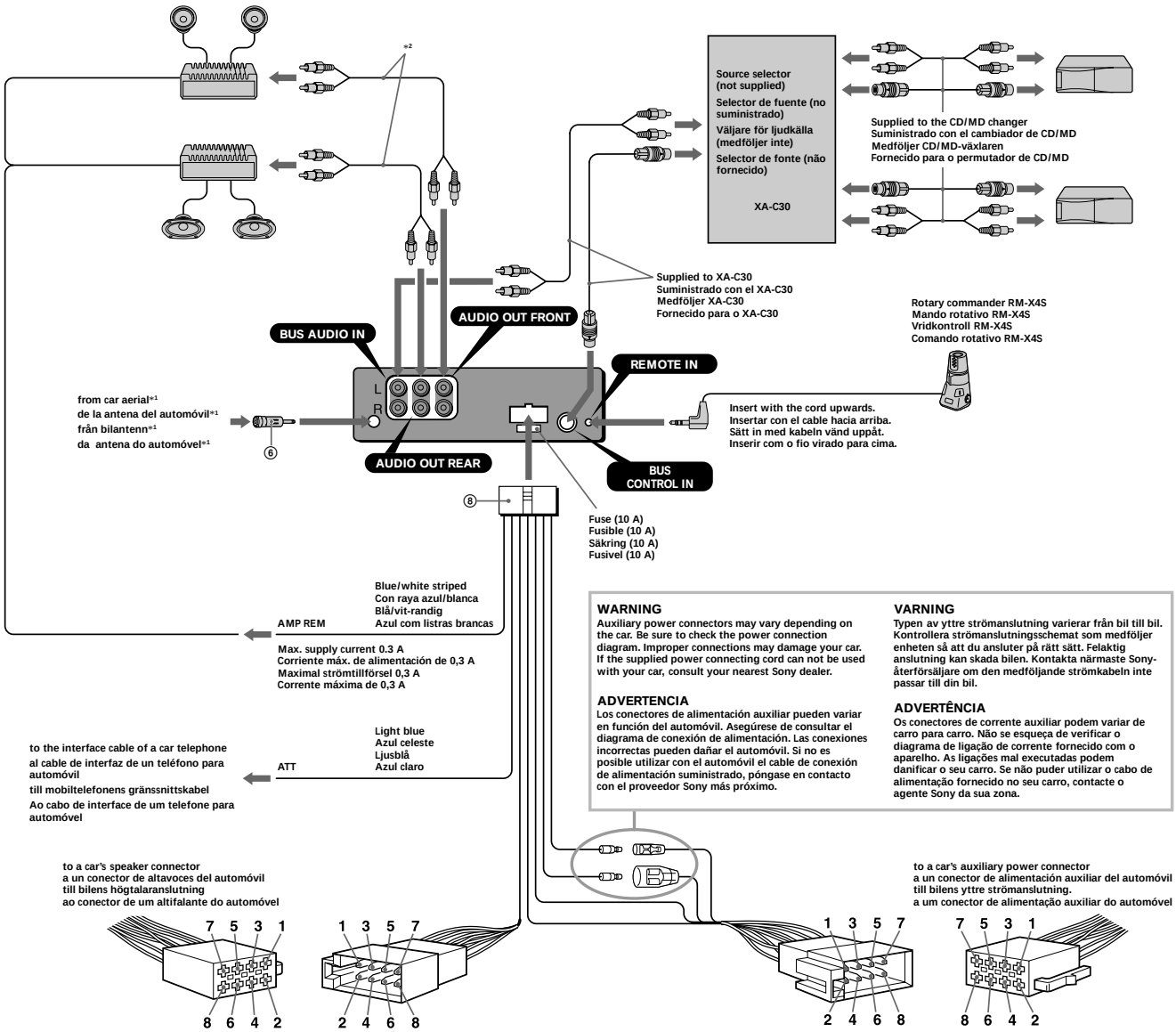
*1 ***Nota sobre la conexión de la antena***
Si la antena del automóvil es del tipo ISO (International Organization for Standardization), emplee el adaptador suministrado ⑥ para conectarla.
En primer lugar, conecte la antena del automóvil al adaptador suministrado y, a continuación, a la toma de antena de la unidad principal.
*2 ***Cable con clavijas RCA (no suministrado)***

Anslutningarna enligt exemplet

*1 ***Angående antennanslutning***
Om motorantennen är av ISO-typ (International Organization for Standardization), använder du medföljande adapter ⑥ för att ansluta den.
Anslut först motorantennen till medföljande adapter och därefter till antennuttaget på huvudenheten.
*2 ***Kabel med RCA-kontakter (medföljer inte)***

Exemplo de ligações

*1 ***Nota referente à ligação da antena***
Se a antena do automóvel for uma antena de tipo ISO (International Organization for Standardization), utilize o adaptador fornecido ⑥ para fazer a ligação respectiva.
Ligue primeiro a antena do automóvel ao adaptador fornecido e depois à tomada de antena do sistema principal.
*2 ***Cabo de terminais RCA (não fornecido)***


*2
Source selector (not supplied)
Selector de fuente (no suministrado)
Väljare för ljudkälla (medföljer inte)
Selector de fonte (não fornecido)
XA-C30
Supplied to the CD/MD changer
Suministrado con el cambiador de CD/MD
Medföljer CD/MD-växlaren
Fornecido para o permutador de CD/MD
Supplied to XA-C30
Suministrado con el XA-C30
Medföljer XA-C30
Fornecido para o XA-C30
Rotary commander RM-X4S
Mando rotativo RM-X4S
Vridkontroll RM-X4S
Comando rotativo RM-X4S
BUS AUDIO IN
AUDIO OUT FRONT
REMOTE IN
AUDIO OUT REAR
BUS CONTROL IN
L
R
from car aerial*1
de la antena del automóvil*1
från bilantenn*1
da antena do automóvel*1
⑥
Insert with the cord upwards.
Insertar con el cable hacia arriba.
Sätt in med kabeln vänd uppåt.
Inserir com o fio virado para cima.
⑧
Fuse (10 A)
Fusible (10 A)
Säkring (10 A)
Fusível (10 A)
Blue/white striped
Con raya azul/blanca
Blå/vit-randig
Azul com listras brancas
AMP REM
Max. supply current 0.3 A
Corriente máx. de alimentación de 0,3 A
Maximal strömtillförsel 0,3 A
Corrente máxima de 0,3 A
Light blue
Azul celeste
Ljusblå
Azul claro
ATT
to the interface cable of a car telephone
al cable de interfaz de un teléfono para automóvil
till mobiltelefonens gränssnittskabel
Ao cabo de interface de um telefone para automóvel
WARNING
Auxiliary power connectors may vary depending on the car. Be sure to check the power connection diagram. Improper connections may damage your car. If the supplied power connecting cord can not be used with your car, consult your nearest Sony dealer.
ADVERTENCIA
Los conectores de alimentación auxiliar pueden variar en función del automóvil. Asegúrese de consultar el diagrama de conexión de alimentación. Las conexiones incorrectas pueden dañar el automóvil. Si no es posible utilizar con el automóvil el cable de conexión de alimentación suministrado, póngase en contacto con el proveedor Sony más próximo.
VARNING
Typen av yttre strömanslutning varierar från bil till bil. Kontrollera strömanslutningsschemat som medföljer enheten så att du ansluter på rätt sätt. Felaktig anslutning kan skada bilen. Kontakta närmaste Sony-återförsäljare om den medföljande strömkabeln inte passar till din bil.
ADVERTÊNCIA
Os conectores de corrente auxiliar podem variar de carro para carro. Não se esqueça de verificar o diagrama de ligação de corrente fornecido com o aparelho. As ligações mal executadas podem danificar o seu carro. Se não puder utilizar o cabo de alimentação fornecido no seu carro, contacte o agente Sony da sua zona.
to a car's speaker connector
a un conector de altavoces del automóvil
till bilens högtalaranslutning
ao conector de um altifalante do automóvel
to a car's auxiliary power connector
a un conector de alimentación auxiliar del automóvil
till bilens yttre strömanslutning.
a um conector de alimentação auxiliar do automóvel
7 5 3 1
8 6 4 2
1 3 5 7
2 4 6 8
1 3 5 7
2 4 6 8
7 5 3 1
8 6 4 2

1	Purple Púrpura Violett Violeta	+	Speaker, Rear, Right Altavoz, parte posterior, derecho Högtalare, bakre, höger Altifalante, Parte de trás, Direito	5	White Blanco Vit Branco	+	Speaker, Front, Left Altavoz, parte frontal, izquierdo Högtalare, främre, vänster Altifalante, Parte da frente, Esquerdo
2		–	Speaker, Rear, Right Altavoz, parte posterior, derecho Högtalare, bakre, höger Altifalante, Parte de trás, Direito	6		–	Speaker, Front, Left Altavoz, parte frontal, izquierdo Högtalare, främre, vänster Altifalante, Parte da frente, Esquerdo
3	Grey Gris Grå Cinzento	+	Speaker, Front, Right Altavoz, parte frontal, derecho Högtalare, främre, höger Altifalante, Parte da frente, Direito	7	Green Verde Grön Verde	+	Speaker, Rear, Left Altavoz, parte posterior, izquierdo Högtalare, bakre, vänster Altifalante, Parte de trás, Esquerdo
4		–	Speaker, Front, Right Altavoz, parte frontal, derecho Högtalare, främre, höger Altifalante, Parte da frente, Direito	8		–	Speaker, Rear, Left Altavoz, parte posterior, izquierdo Högtalare, bakre, vänster Altifalante, Parte de trás, Esquerdo

Negative polarity positions 2, 4, 6, and 8 have striped cords.
Las posiciones de polaridad negativa 2, 4, 6 y 8 tienen cables con raya.
De negativa polpositionerna 2, 4, 6 och 8 har randiga kablar.
As posições 2, 4, 6 e 8 (polaridade negativa) têm cabos às riscas.

4	Yellow Amarillo Gul Amarelo	continuous power supply suministro de alimentación continua kontinuerlig strömförsörjning alimentação de corrente contínua
5	Blue Azul Blå Azul	power aerial control control de antena motorizada styrning av motorantenn antena eléctrica
6	Orange/White Naranja/blanco Orange/vit Cor de laranja/branco	switched illumination power supply fuente de alimentación de iluminación conmutada Switchad strömförsörjning till belysning fonte de alimentação comutada para iluminação

7	Red Rojo Röd Vermelho	switched power supply suministro conmutado de alimentación switchad strömförsörjning alimentação de corrente comutada
8	Black Negro Svart Preto	earth toma de tierra jord Terra

Positions 1, 2 and 3 do not have pins.
Las posiciones 1, 2 y 3 no disponen de terminales.
Positionerna 1, 2 och 3 saknar stift.
As posições 1, 2 e 3 não têm terminais.

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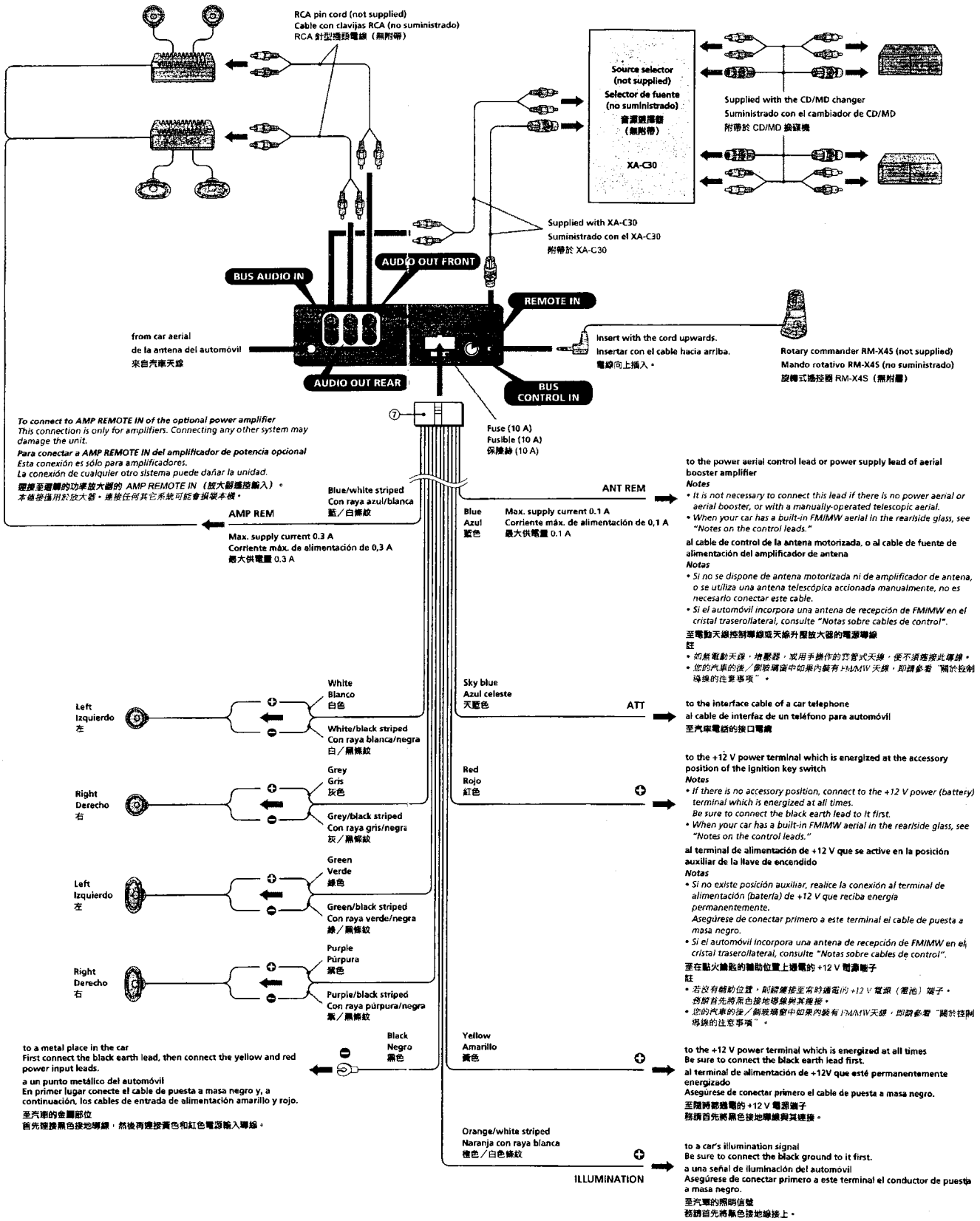
(XR-C7500RX: E)

Connection example
Ejemplo de conexiones
線路連接圖例


RCA pin cord (not supplied)
Cable con clavijas RCA (no suministrado)
RCA 針型插頭電線（無附帶）
Source selector (not supplied)
Selector de fuente (no suministrado)
音源選擇器（無附帶）
XA-C30
Supplied with the CD/MD changer
Suministrado con el cambiador de CD/MD
附帶於 CD/MD 換碟機
Supplied with XA-C30
Suministrado con el XA-C30
附帶於 XA-C30
BUS AUDIO IN
AUDIO OUT FRONT
REMOTE IN
from car aerial
de la antena del automóvil
來自汽車天線
AUDIO OUT REAR
BUS CONTROL IN
Insert with the cord upwards.
Insertar con el cable hacia arriba.
電線向上插入。
Rotary commander RM-X4S (not supplied)
Mando rotativo RM-X4S (no suministrado)
旋轉式遙控器 RM-X4S（無附屬）
To connect to AMP REMOTE IN of the optional power amplifier
This connection is only for amplifiers. Connecting any other system may damage the unit.
Para conectar a AMP REMOTE IN del amplificador de potencia opcional
Esta conexión es sólo para amplificadores.
La conexión de cualquier otro sistema puede dañar la unidad.
連接至選購的功率放大器的 AMP REMOTE IN（放大器遙控輸入）。
本插接僅用於放大器。連接任何其它系統可能會損壞本機。
Fuse (10 A)
Fusible (10 A)
保險絲 (10 A)
Blue/white striped
Con raya azul/blanca
藍／白條紋
AMP REM
Max. supply current 0.3 A
Corriente máx. de alimentación de 0,3 A
最大供電量 0.3 A
ANT REM
Blue
Azul
藍色
Max. supply current 0.1 A
Corriente máx. de alimentación de 0,1 A
最大供電量 0.1 A
to the power aerial control lead or power supply lead of aerial booster amplifier
Notes
• It is not necessary to connect this lead if there is no power aerial or aerial booster, or with a manually-operated telescopic aerial.
• When your car has a built-in FM/MW aerial in the rear/side glass, see "Notes on the control leads."
al cable de control de la antena motorizada, o al cable de fuente de alimentación del amplificador de antena
Notas
• Si no se dispone de antena motorizada ni de amplificador de antena, o se utiliza una antena telescópica accionada manualmente, no es necesario conectar este cable.
• Si el automóvil incorpora una antena de recepción de FM/MW en el cristal trasero/lateral, consulte "Notas sobre cables de control".
至電動天線控制導線或天線升壓放大器的電源導線
註
• 如無電動天線，增壓器，或用手操作的拉管式天線，便不須連接此導線。
• 您的汽車的後／側玻璃窗中如果內裝有 FM/MW 天線，即請參看 "關於控制導線的注意事項"。
White
Blanco
白色
Left
Izquierdo
左
White/black striped
Con raya blanca/negra
白／黑條紋
Sky blue
Azul celeste
天藍色
ATT
to the interface cable of a car telephone
al cable de interfaz de un teléfono para automóvil
至汽車電話的接口電纜
Grey
Gris
灰色
Right
Derecho
右
Grey/black striped
Con raya gris/negra
灰／黑條紋
Red
Rojo
紅色
to the +12 V power terminal which is energized at the accessory position of the ignition key switch
Notes
• If there is no accessory position, connect to the +12 V power (battery) terminal which is energized at all times.
Be sure to connect the black earth lead to it first.
• When your car has a built-in FM/MW aerial in the rear/side glass, see "Notes on the control leads."
al terminal de alimentación de +12 V que se active en la posición auxiliar de la llave de encendido
Notas
• Si no existe posición auxiliar, realice la conexión al terminal de alimentación (batería) de +12 V que reciba energía permanentemente.
Asegúrese de conectar primero a este terminal el cable de puesta a masa negro.
• Si el automóvil incorpora una antena de recepción de FM/MW en el cristal trasero/lateral, consulte "Notas sobre cables de control".
至在點火鑰匙的輔助位置上通電的 +12 V 電源端子
註
• 若沒有輔助位置，則請連接至常時通電的 +12 V 電源（電池）端子。
務請首先將黑色接地導線與其連接。
• 您的汽車的後／側玻璃窗中如果內裝有 FM/MW 天線，即請參看 "關於控制導線的注意事項"。
Green
Verde
綠色
Left
Izquierdo
左
Green/black striped
Con raya verde/negra
綠／黑條紋
Purple
Púrpura
紫色
Right
Derecho
右
Purple/black striped
Con raya púrpura/negra
紫／黑條紋
Black
Negro
黑色
to a metal place in the car
First connect the black earth lead, then connect the yellow and red power input leads.
a un punto metálico del automóvil
En primer lugar conecte el cable de puesta a masa negro y, a continuación, los cables de entrada de alimentación amarillo y rojo.
至汽車的金屬部位
首先連接黑色接地導線，然後再連接黃色和紅色電源輸入導線。
Yellow
Amarillo
黃色
to the +12 V power terminal which is energized at all times
Be sure to connect the black earth lead first.
al terminal de alimentación de +12V que esté permanentemente energizado
Asegúrese de conectar primero el cable de puesta a masa negro.
至隨時都通電的 +12 V 電源端子
務請首先將黑色接地導線與其連接。
Orange/white striped
Naranja con raya blanca
橙色／白色條紋
to a car's illumination signal
Be sure to connect the black ground to it first.
a una señal de iluminación del automóvil
Asegúrese de conectar primero a este terminal el conductor de puesta a masa negro.
至汽車的照明信號
務請首先將黑色接地線接上。
ILLUMINATION

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Power connection diagram

Auxiliary power connector may vary depending on the car. Check your car's auxiliary power connector diagram to make sure the connections match correctly. There are three basic types (illustrated below). You may need to switch the positions of the red and yellow leads in the car stereo's power connecting cord.
After matching the connections and switched power supply leads correctly, connect the unit to the car's power supply. If you have any questions and problems connecting your unit that are not covered in this manual, please consult the car dealer.

Diagrama de conexión de alimentación

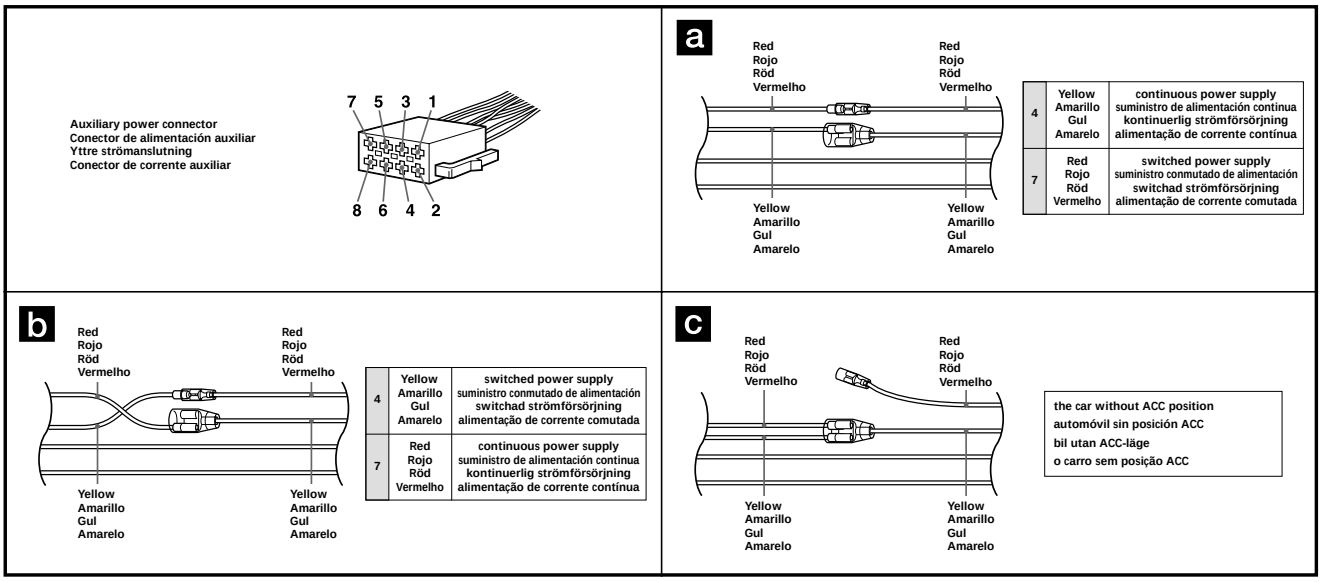
El conector de alimentación auxiliar puede variar en función del automóvil. Compruebe el diagrama del conector de alimentación auxiliar del automóvil para asegurarse de que las conexiones coinciden correctamente. Existen tres tipos básicos, ilustrados a continuación. Es posible que sea necesario cambiar las posiciones de los cables rojo y amarillo del cable de conexión de alimentación del sistema estéreo del automóvil.
Después de hacer coincidir correctamente las conexiones y los cables de alimentación conmutada, conecte la unidad al suministro de alimentación del automóvil. Si desea realizar alguna consulta o solucionar algún problema referentes a la conexión de la unidad que no aparezcan en este manual, consulte con el concesionario automovilístico.

Strömanslutningsschema

Typen av yttre strömanslutning varierar från bil till bil. Kontrollera schemat till strömanslutningen så att du ansluter på rätt sätt. Det finns tre grundläggande anslutningstyper (visas nedan). Du kan behöva skifta plats på bilstereons röda och gula strömförsörjningskablar.
Koppla kablarna för kontinuerlig respektive switchad strömförsörjning på rätt sätt och anslut sedan enheten till bilens strömanslutning. Om du får problem eller har frågor som inte besvaras i den här bruksanvisningen kan du kontakta bilåterförsäljaren.

Diagrama de ligação de corrente

O conector auxiliar de corrente pode variar de carro para carro. Verifique o diagrama do conector auxiliar de corrente para se certificar de que as ligações estão bem feitas. Existem três tipos de conectores (ilustrados abaixo).
Depois de fazer a correspondência entre as ligações e os terminais de alimentação de corrente comutada, ligue o aparelho à fonte de alimentação do carro. Se tiver alguma dúvida ou problema relacionado com o aparelho que não esteja incluído neste manual, consulte o concessionário.


Auxiliary power connector
Conector de alimentación auxiliar
Yttre strömanslutning
Conector de corrente auxiliar
7 5 3 1
8 6 4 2
a
Red
Rojo
Röd
Vermelho
Yellow
Amarillo
Gul
Amarelo
4 Yellow Amarillo Gul Amarelo continuous power supply suministro de alimentación continua kontinuerlig strömförsörjning alimentação de corrente contínua
7 Red Rojo Röd Vermelho switched power supply suministro conmutado de alimentación switchad strömförsörjning alimentação de corrente comutada
b
4 Yellow Amarillo Gul Amarelo switched power supply suministro conmutado de alimentación switchad strömförsörjning alimentação de corrente comutada
7 Red Rojo Röd Vermelho continuous power supply suministro de alimentación continua kontinuerlig strömförsörjning alimentação de corrente contínua
c
the car without ACC position
automóvil sin posición ACC
bil utan ACC-läge
o carro sem posição ACC

Connection diagram

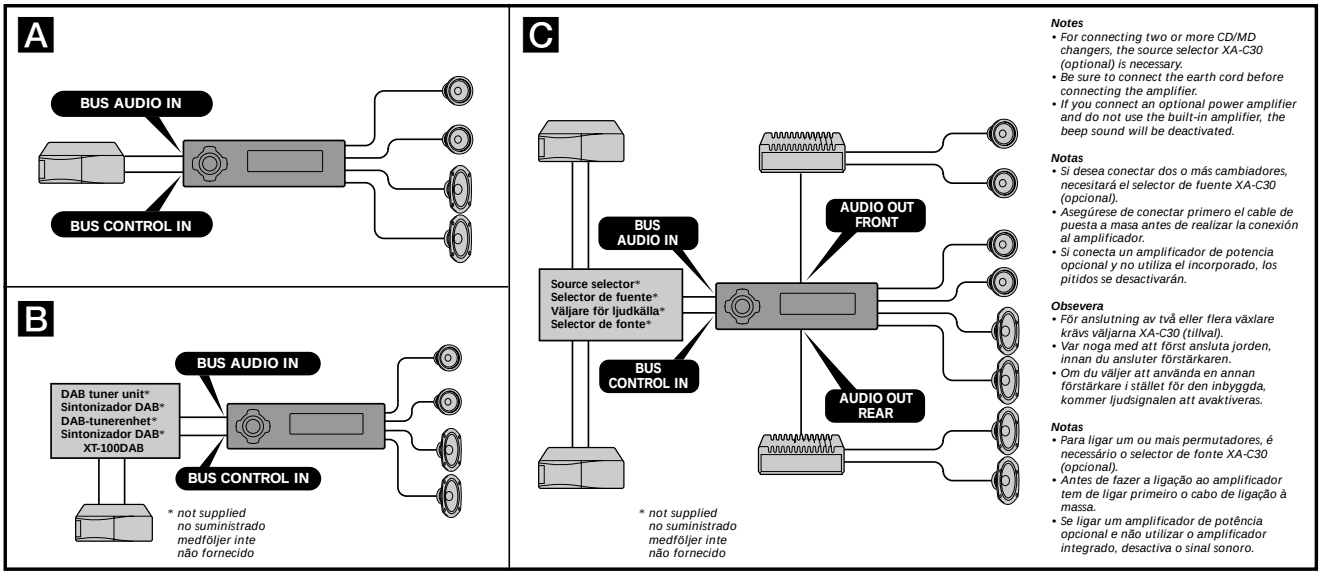
Diagrama de conexiones

Kopplingsschema

Diagrama de ligações

Equipment used in illustrations (not supplied)
Equipo utilizado en las ilustraciones (no suministrado)
Utrustning som visas i illustrationer (medföljer inte)
Equipamento utilizado nas ilustrações (não fornecido)

Front speaker / Altavoz delantero / Främre högtalare / Altifalante dianteiro
Rear speaker / Altavoz trasero / Bakre högtalare / Altifalante traseiro
Power amplifier / Amplificador de potencia / Effektförstärkare / Amplificador de potência
CD/MD changer / Cambiador de CD/MD / CD/MD-skivväxlare / Permutador CD/MD



Notes
- *For connecting two or more CD/MD changers, the source selector XA-C30 (optional) is necessary.*
- *Be sure to connect the earth cord before connecting the amplifier.*
- *If you connect an optional power amplifier and do not use the built-in amplifier, the beep sound will be deactivated.*

Notas
- *Si desea conectar dos o más cambiadores, necesitará el selector de fuente XA-C30 (opcional).*
- *Asegúrese de conectar primero el cable de puesta a masa antes de realizar la conexión al amplificador.*
- *Si conecta un amplificador de potencia opcional y no utiliza el incorporado, los pitidos se desactivarán.*

Obsevera
- *För anslutning av två eller flera växlare krävs väljarna XA-C30 (tillval).*
- *Var noga med att först ansluta jorden, innan du ansluter förstärkaren.*
- *Om du väljer att använda en annan förstärkare i stället för den inbyggda, kommer ljudsignalen att avaktiveras.*

Notas
- *Para ligar um ou mais permutadores, é necessário o selector de fonte XA-C30 (opcional).*
- *Antes de fazer a ligação ao amplificador tem de ligar primeiro o cabo de ligação à massa.*
- *Se ligar um amplificador de potência opcional e não utilizar o amplificador integrado, desactiva o sinal sonoro.*

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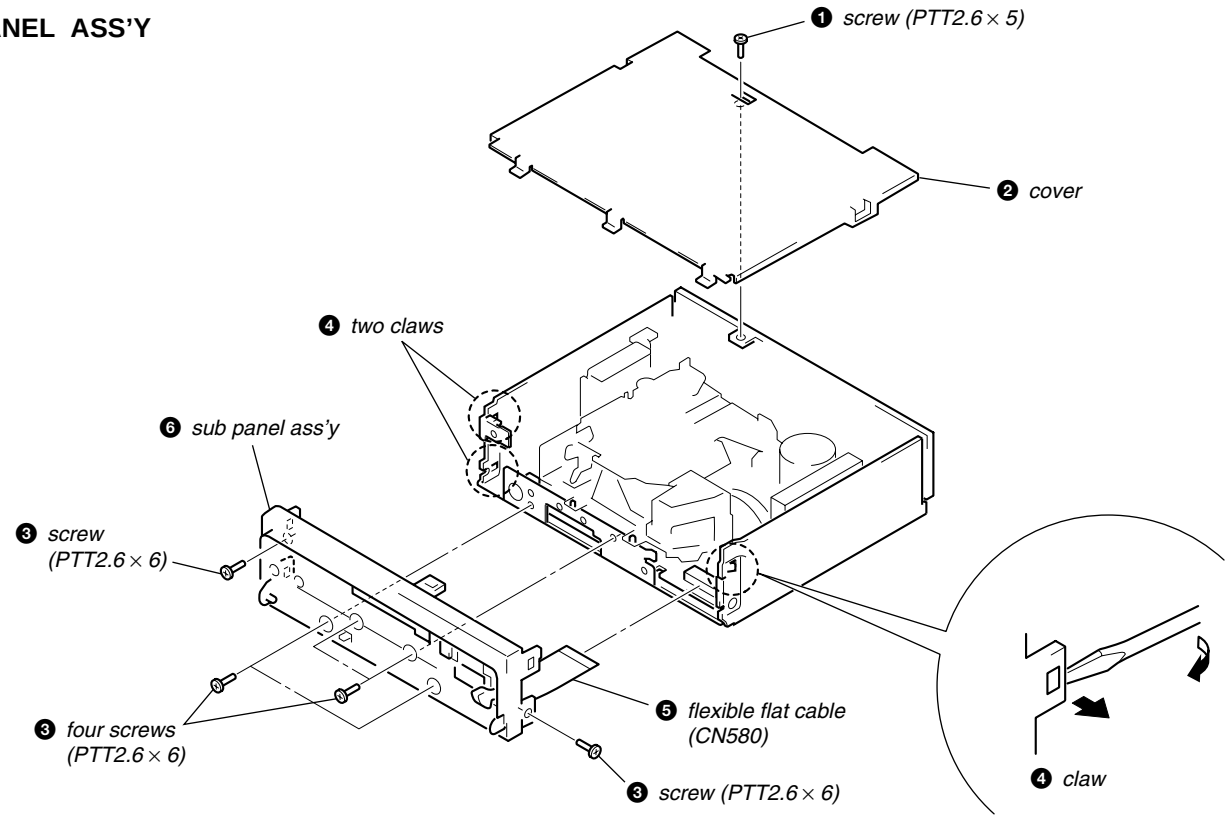
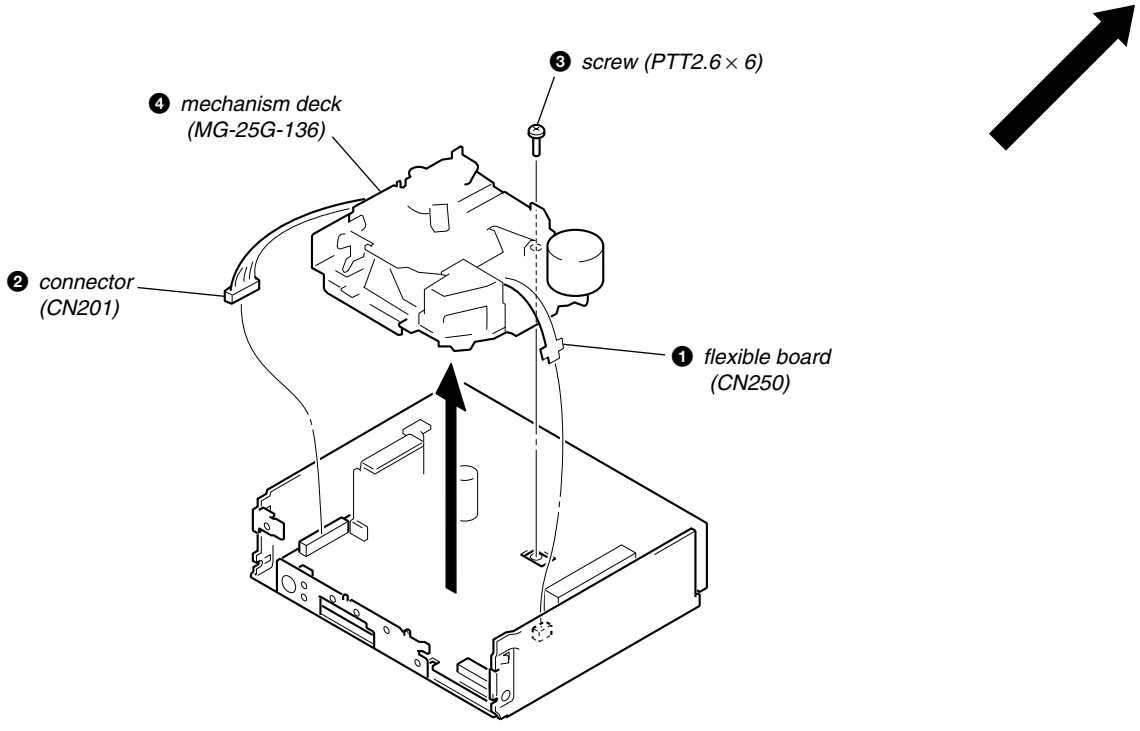
SECTION 3
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

SUB PANEL ASS'Y


❶ screw (PTT2.6 × 5)
❷ cover
❹ two claws
❻ sub panel ass'y
❸ screw (PTT2.6 × 6)
❸ four screws (PTT2.6 × 6)
❺ flexible flat cable (CN580)
❸ screw (PTT2.6 × 6)
❹ claw

MECHANISM DECK (MG-25G-136)



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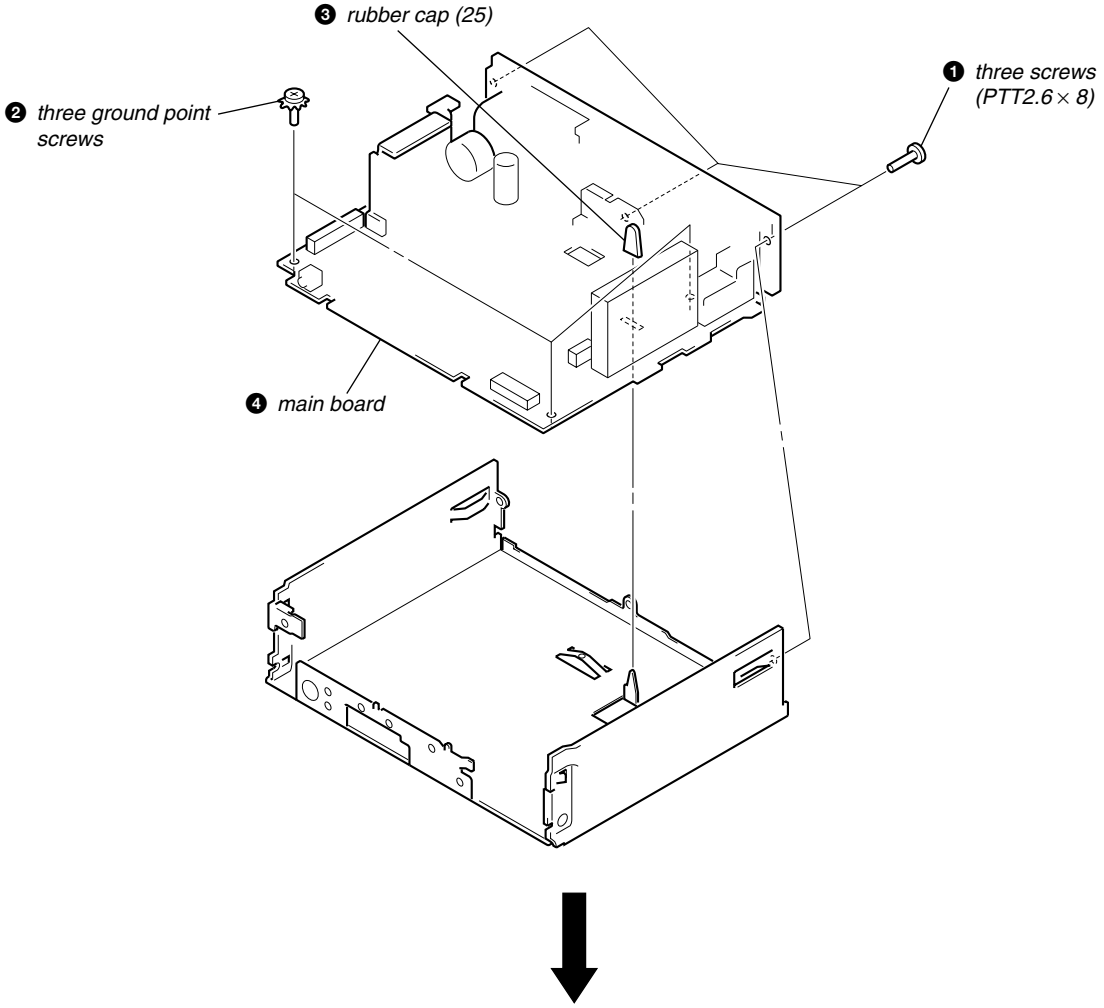
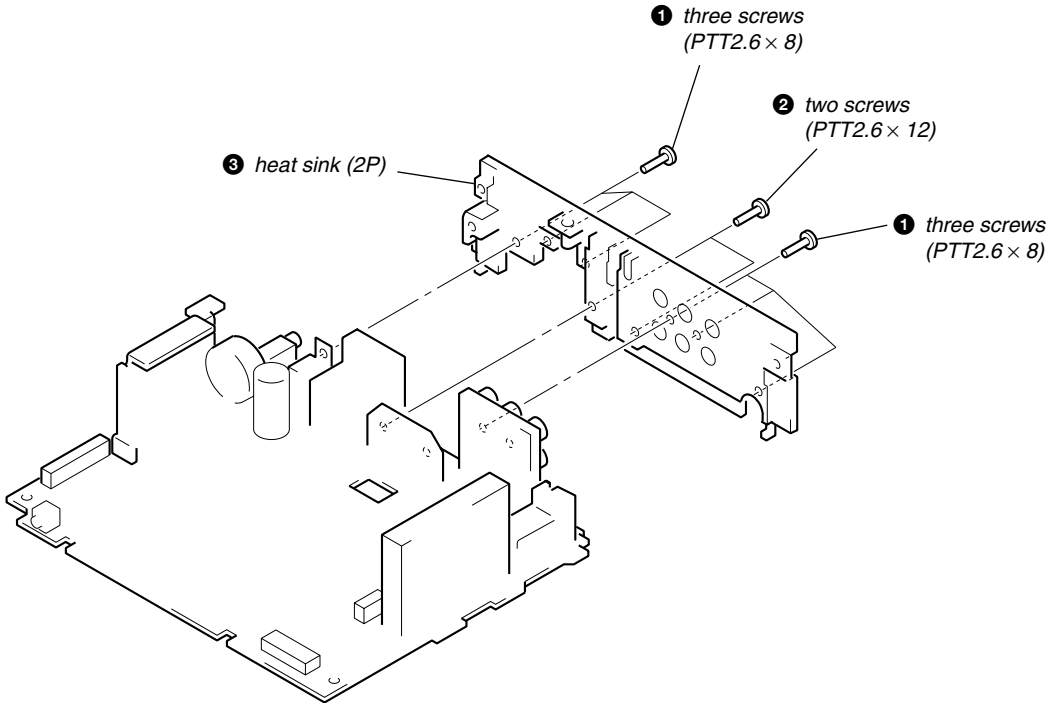
MAIN BOARD



HEAT SINK (2P)



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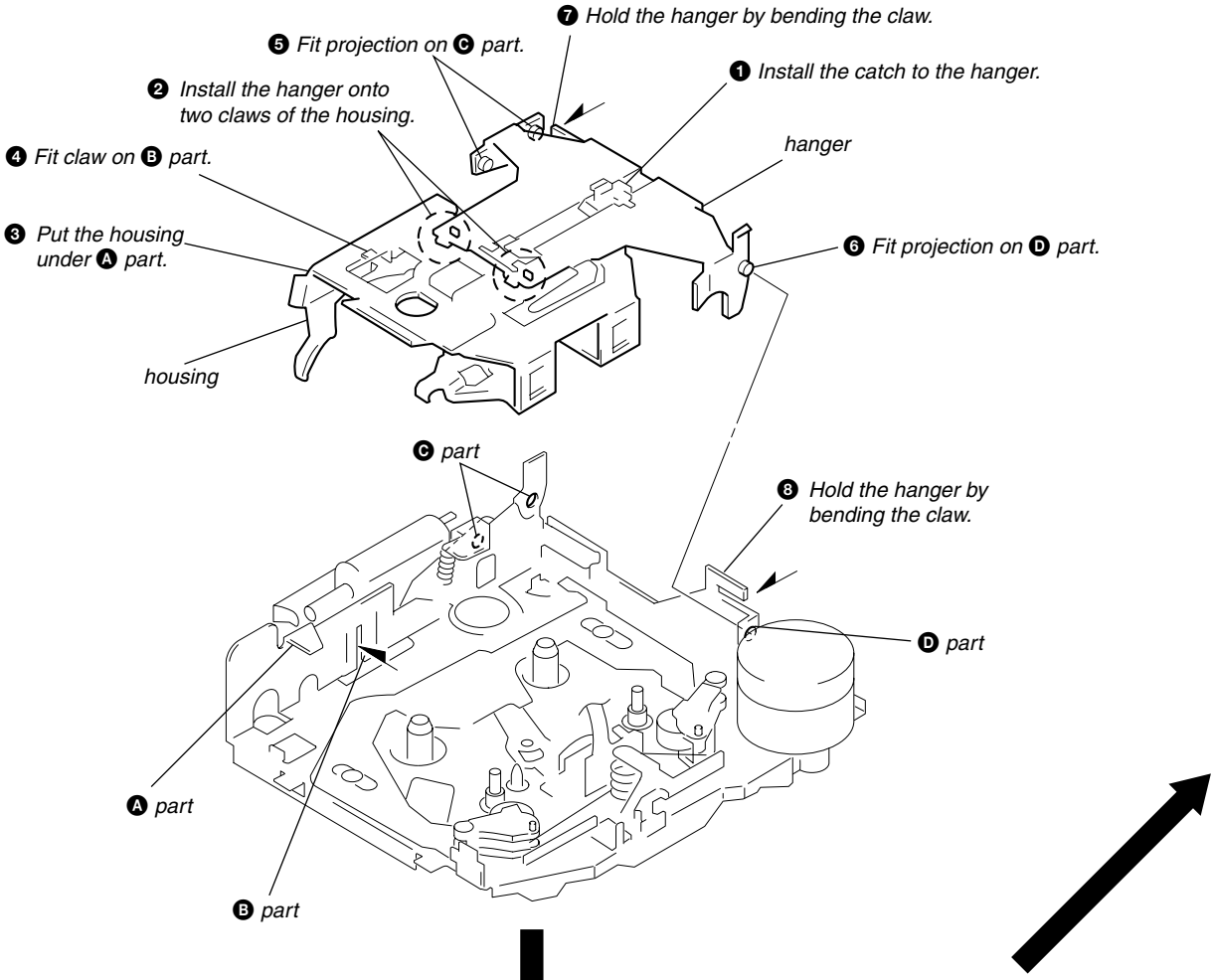
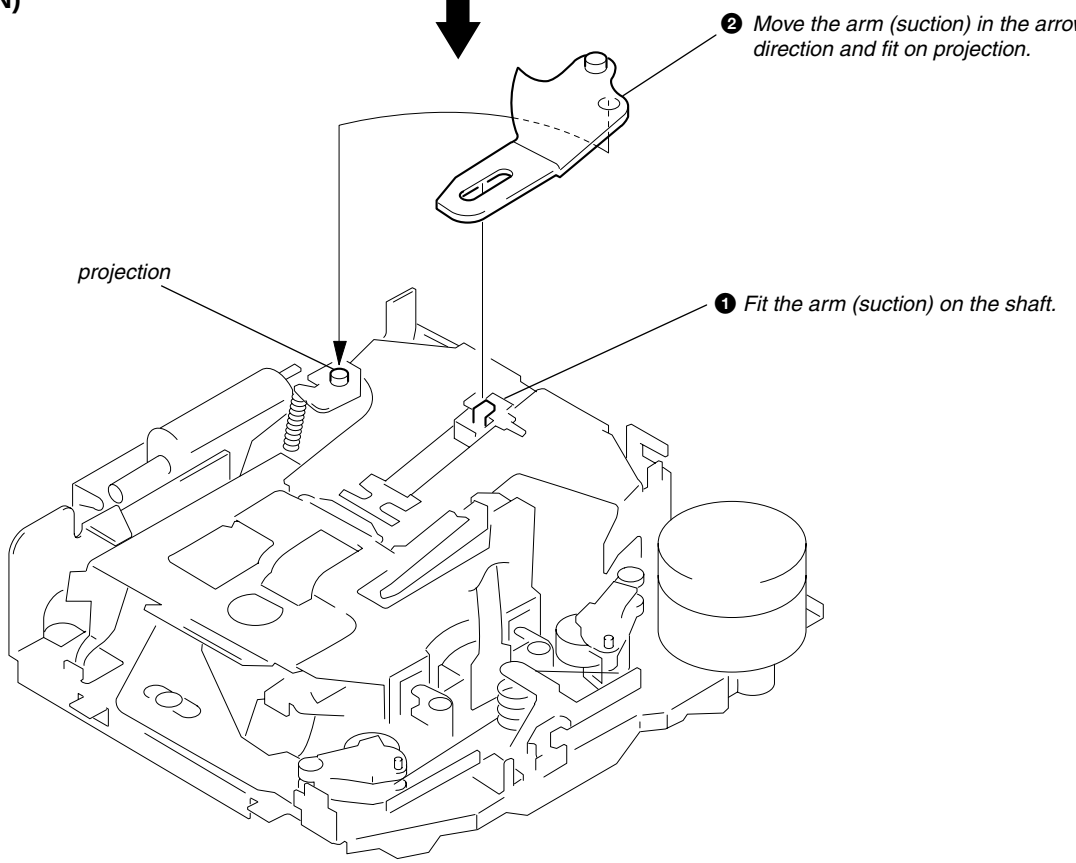
SECTION 4
ASSEMBLY OF MECHANISM DECK

Note: Follow the assembly procedure in the numerical order given.

HOUSING


❼ Hold the hanger by bending the claw.
❺ Fit projection on Ⓒ part.
❶ Install the catch to the hanger.
❷ Install the hanger onto two claws of the housing.
hanger
❹ Fit claw on Ⓑ part.
❸ Put the housing under Ⓐ part.
❻ Fit projection on Ⓓ part.
housing
Ⓒ part
❽ Hold the hanger by bending the claw.
Ⓓ part
Ⓐ part
Ⓑ part

ARM (SUCTION)



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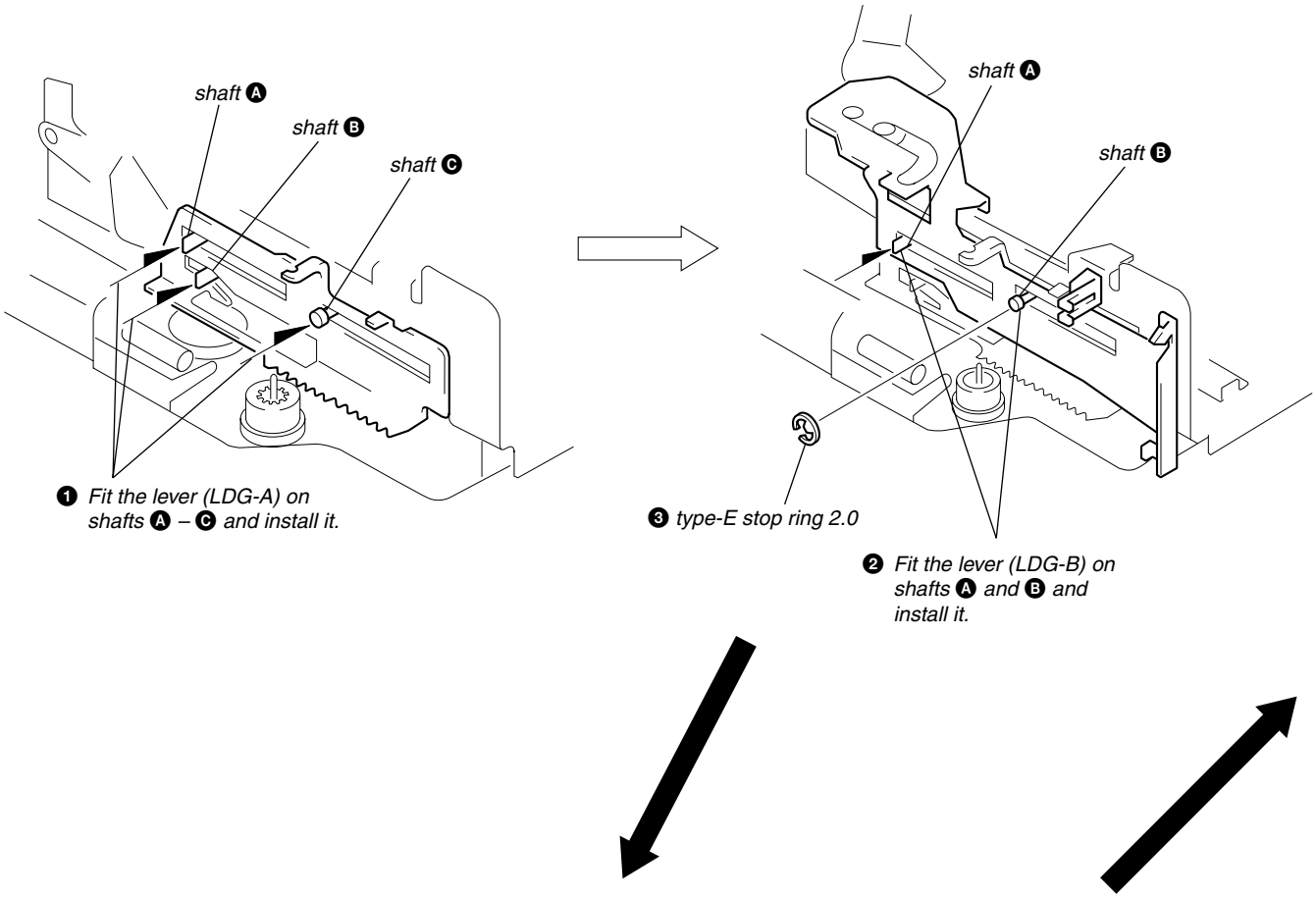
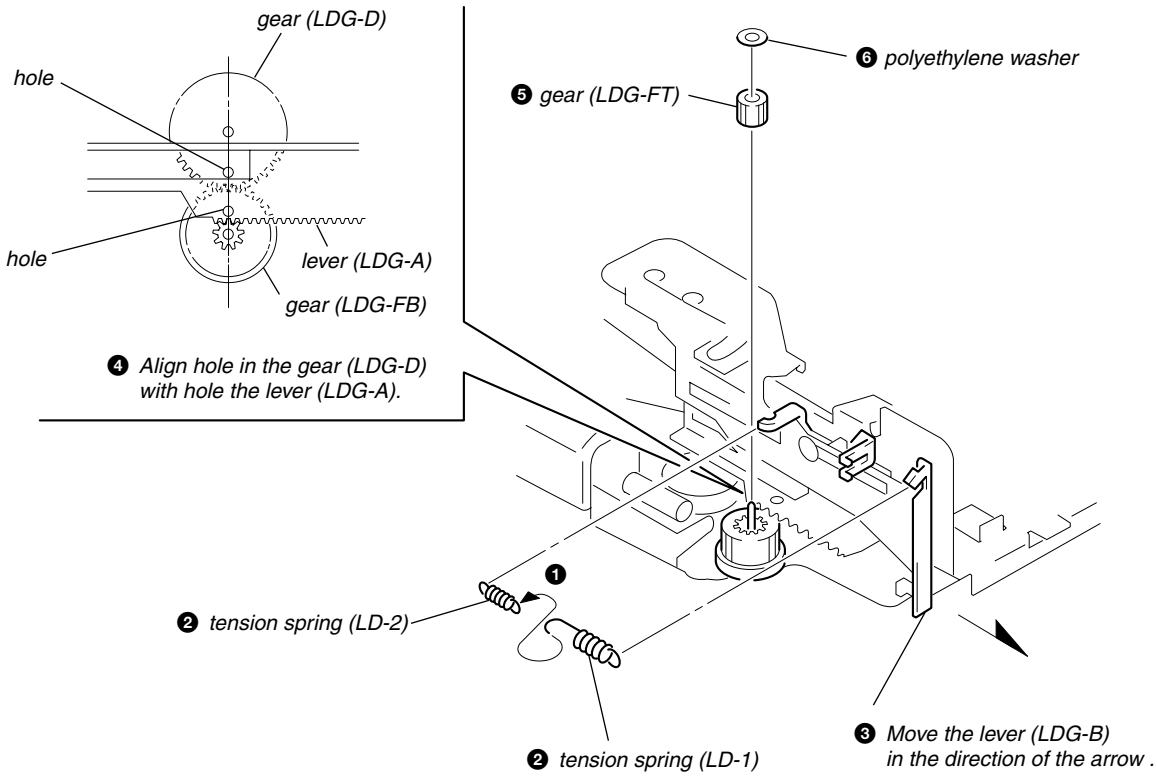
LEVER (LDG-A) / (LDG-B)


shaft Ⓐ
shaft Ⓑ
shaft Ⓒ
❶ Fit the lever (LDG-A) on shafts Ⓐ – Ⓒ and install it.
shaft Ⓐ
shaft Ⓑ
❸ type-E stop ring 2.0
❷ Fit the lever (LDG-B) on shafts Ⓐ and Ⓑ and install it.

GEAR (LDG-FT)



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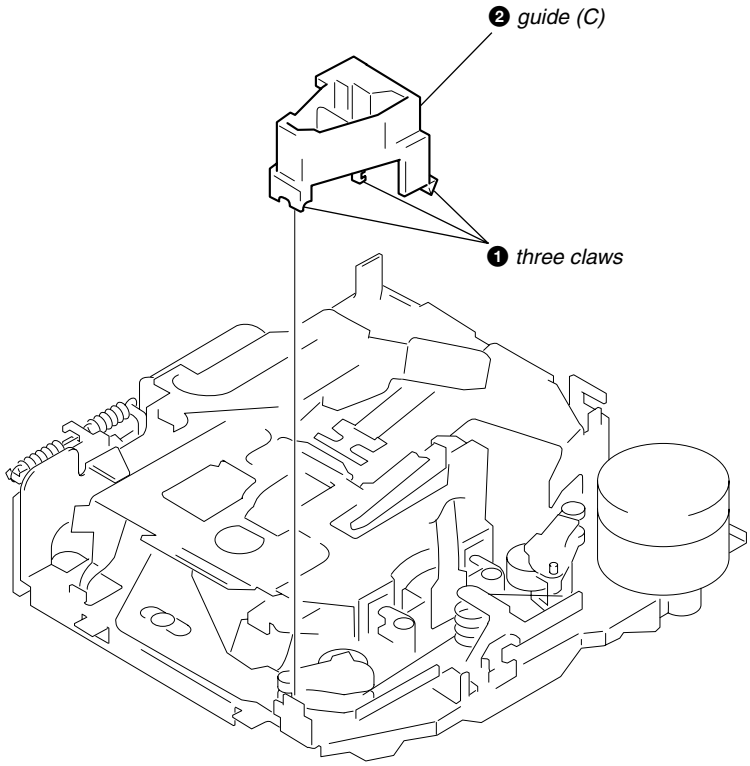
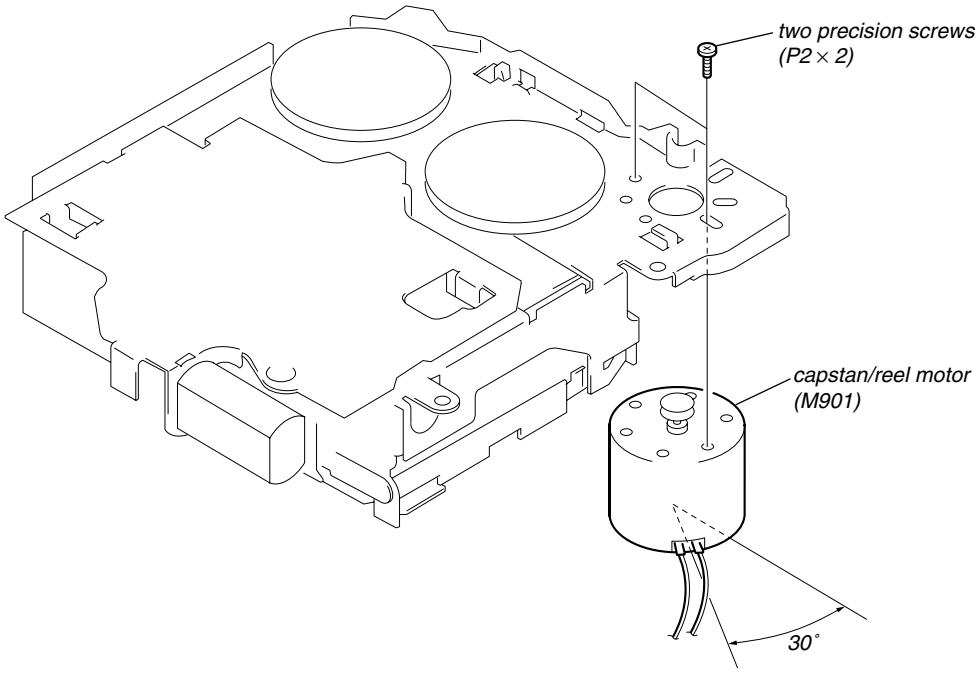
GUIDE (C)



MOUNTING POSITION OF CAPSTAN/REEL MOTOR (M901)



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SECTION 5
MECHANICAL ADJUSTMENTS

1. Clean the following parts with a denatured-alcohol-moistened swab:
   playback head pinch roller
   rubber belt capstan
   idler
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the power supply voltage unless otherwise noted.

• Torque Measurement

Mode	Torque Meter	Meter Reading
Forward	CQ-102C	2.95 – 6.37 mN•m (30 – 65 g•cm) (0.42 – 0.90 oz•inch)
Forward Back Tension	CQ-102C	0.05 – 0.44 mN•m (0.5 – 4.5g•cm) (0.01 – 0.06 oz•inch)
Reverse	CQ-102RC	2.95 – 6.37 mN•m (30 – 65 g•cm) (0.42 – 0.90 oz•inch)
Reverse Back Tension	CQ-102RC	0.05 – 0.44 mN•m (0.5 – 4.5g•cm) (0.01 – 0.06 oz•inch)
FF, REW	CQ-201B	5.89 – 19.61 mN•m (60 – 200 g•cm) (0.83 – 2.78 oz•inch)

• Tape Tension Measurement

Mode	Tension Meter	Meter Reading
Forward	CQ-403A	more than 8.83 mN•m (more than 90 g) (more than 3.18 oz)
Reverse	CQ-403R	more than 8.83 mN•m (more than 90 g) (more than 3.18 oz)

SECTION 6
ELECTRICAL ADJUSTMENTS

TEST MODE

This set has the test mode function.

<Set the Test Mode>

1. Turn ON the regulated power supply. (The clock is displayed)
   Note: Press the [OFF] button, if the clock is not displayed.
2. Press the preset [4] button.
3. Press the preset [5] button.
4. Press the preset [1] button for more than two seconds.
5. Then the display indicates all lights, the test mode is set.

<Release the Test mode>

1. Press the [OFF] button.

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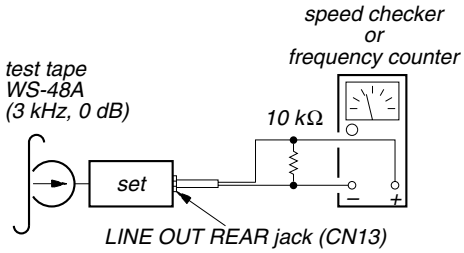
TAPE DECK SECTION

0 dB=0.775 V

Tape Speed Adjustment

Setting:



Procedure:

1. Put the set into the FWD PB mode.
2. Adjust adjustment resistor for inside capstan motor so that the reading on the speed checker or frequency counter becomes in specification.

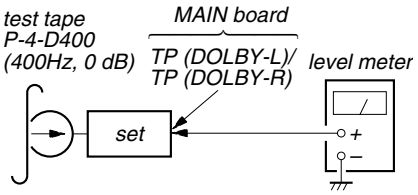
Specification: Constant speed

Speed checker	Frequency counter
–1.5 to +2.5%	2,955 to 3,075 Hz

Dolby Level Adjustment

Setting:

MENU button	: ON (light up SET UP and PLAY MODE)
Preset DISC + → +▶▶I ▶▶ (→) buttons	: NR off
DSO (BAS, TRE) button	: off
SOUND (BAL) button	: Center
SOUND (FAD (Front)) button	: Center
SOUND (FAD (Rear)) button	: Center
VOLUME CONTROL dial	: Maximum



Procedure:

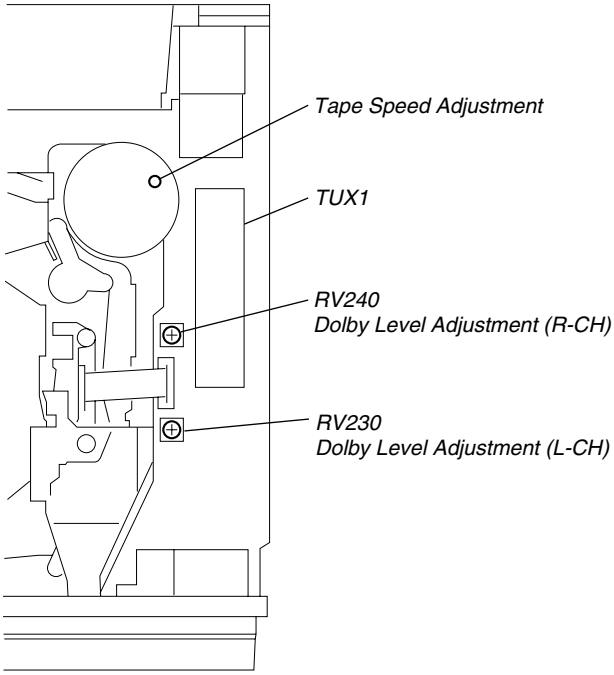
1. Put the set into the FWD PB mode.
2. Adjust RV230 (L-CH) and RV240 (R-CH) so that the level meter reading is –6±0.5 dB (0.37 to 0.41 V).

TUNER SECTION

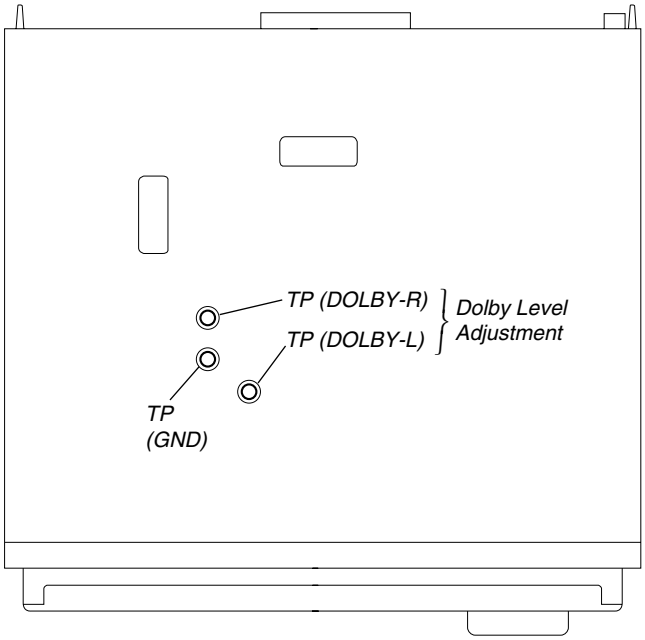
Tuner section adjustments are done automatically in this set.

Adjustment Location:

– SET UPPER VIEW –



– SET BOTTOM VIEW –



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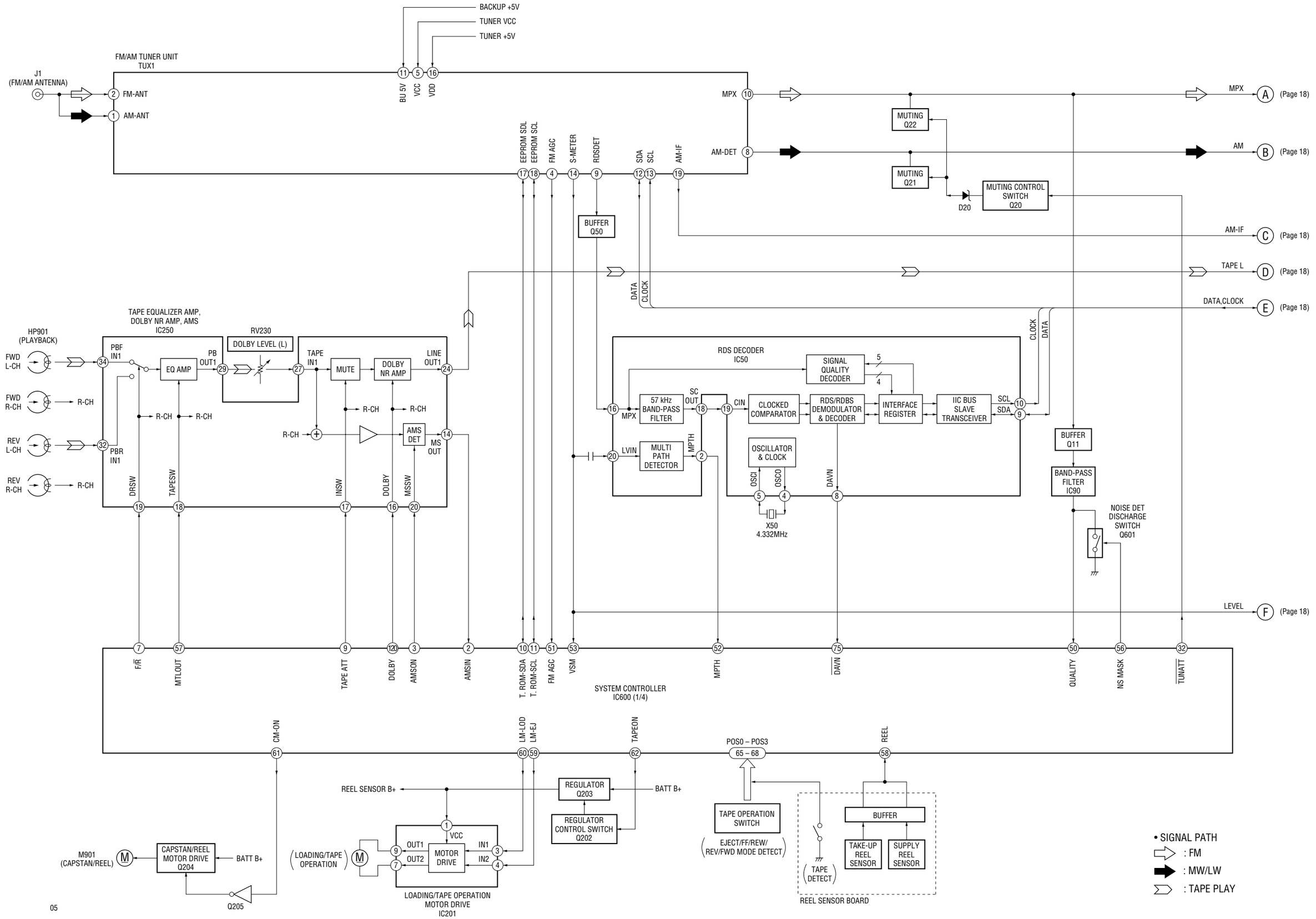
SECTION 7
DIAGRAMS

7-1. BLOCK DIAGRAM – TUNER/TAPE Section –



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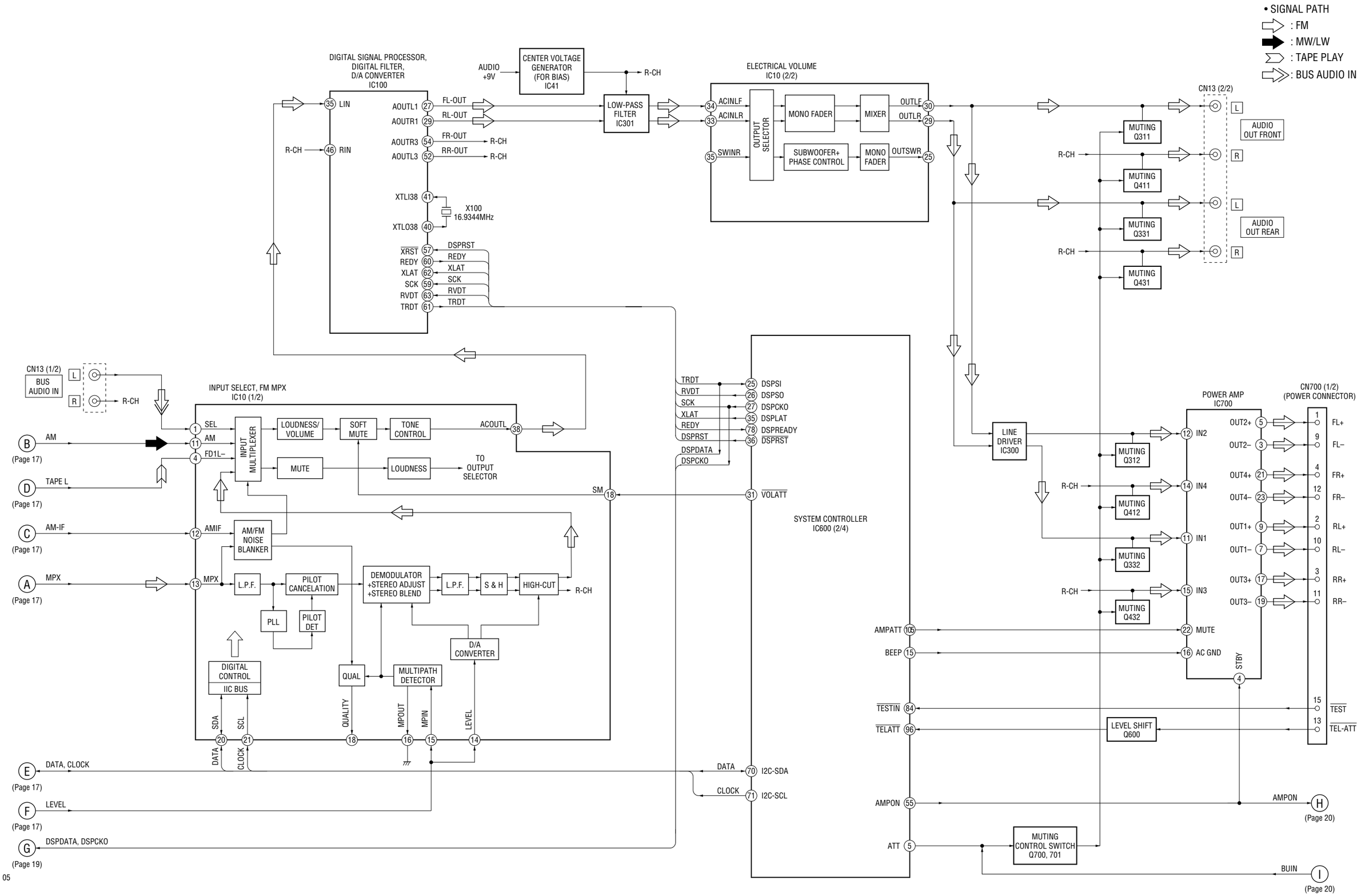
7-2. BLOCK DIAGRAM – MAIN Section –



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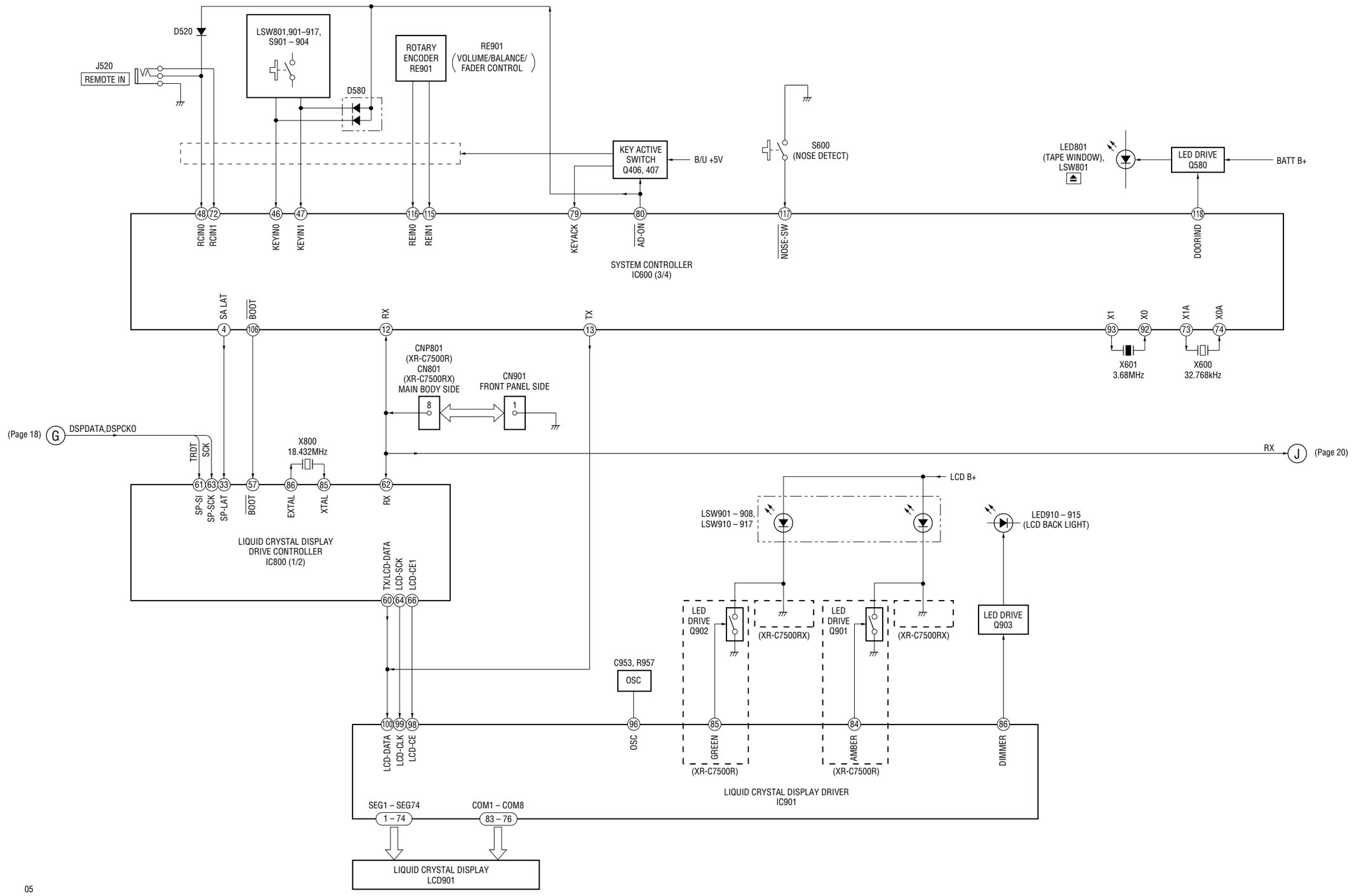
7-3. BLOCK DIAGRAM – DISPLAY/KEY CONTROL Section –



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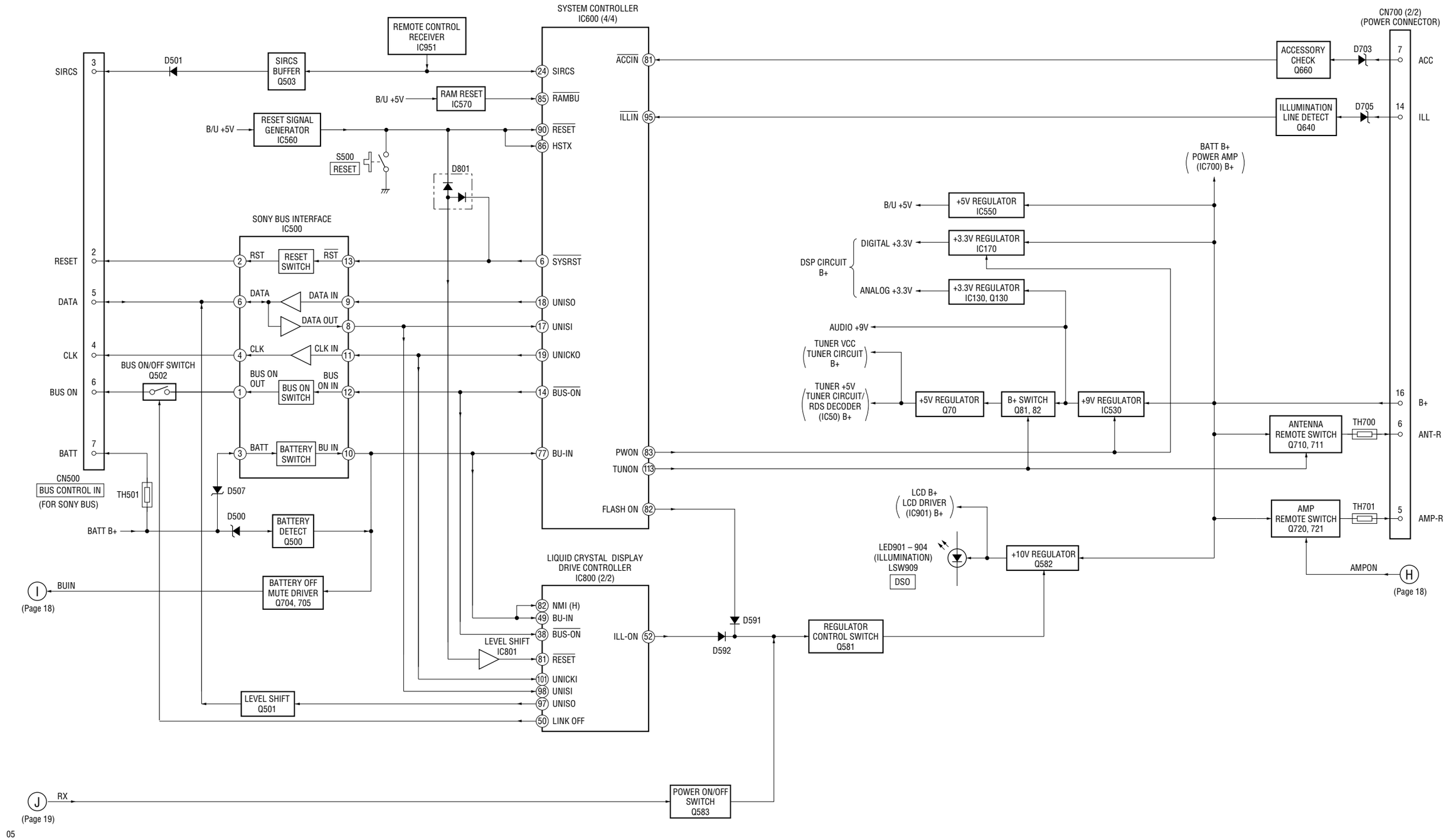
7-4. BLOCK DIAGRAM – BUS CONTROL/POWER SUPPLY Section –



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7-5. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note on Printed Wiring Board:

- ○——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ▒▒▒ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

Note on Schematic Diagram:

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.
- B + : B+ Line.
- ▬ : adjustment for repair.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  - ⇨ : FM
  - ➡ : MW/LW
  - ⇨ : BUS AUDIO IN
  - Σ : TAPE PLAY
- Please refer to servicing notes (page 2) for system of TYPE A, B and C.

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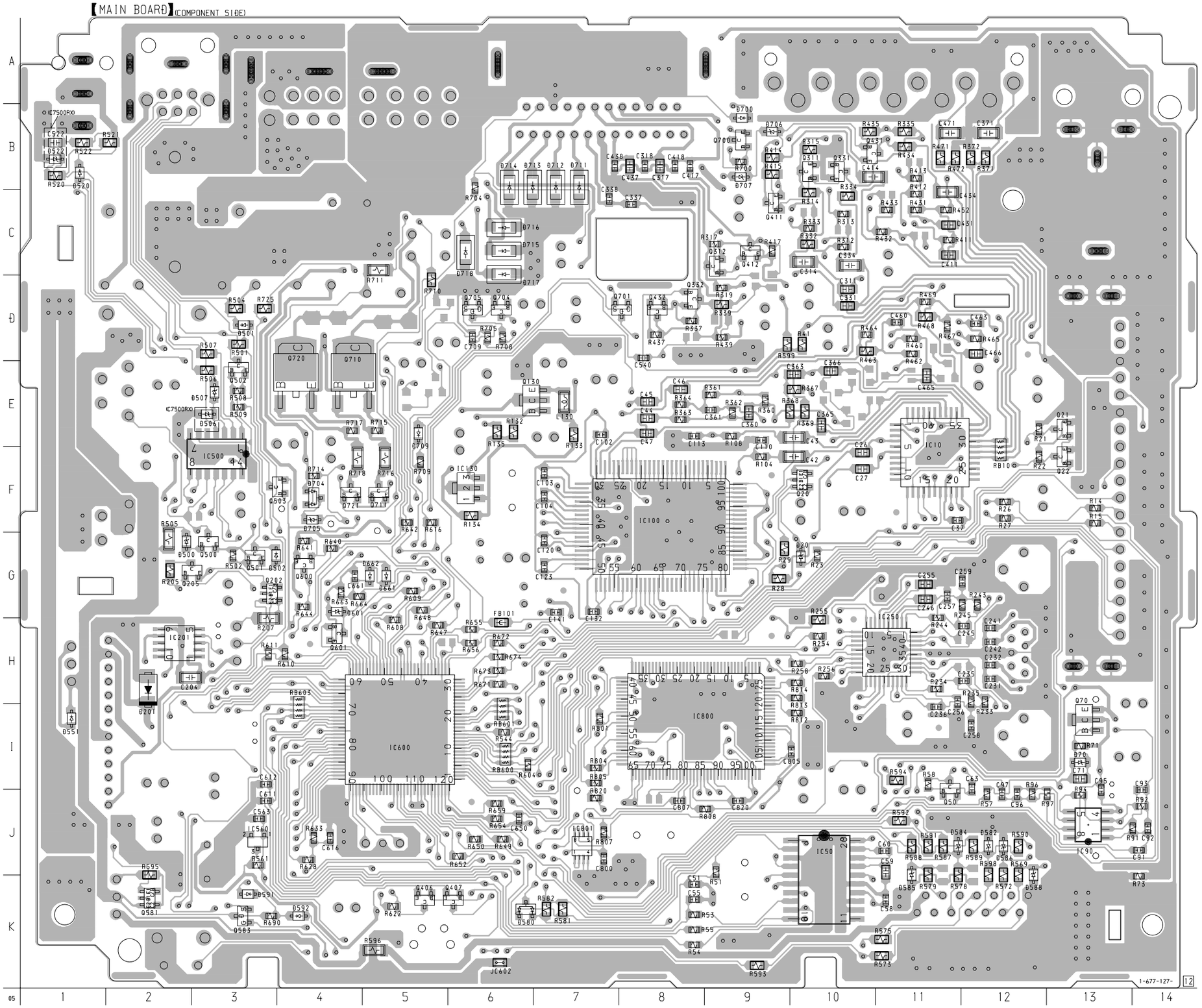
7-6. PRINTED WIRING BOARD – MAIN Board (Component Side) –

- **Semiconductor Location (Component Side)**

Ref. No.	Location	Ref. No.	Location
D20	G-10	IC201	H-2
D70	I-13	IC250	H-11
D201	H-2	IC500	F-3
D500	G-2	IC560	J-3
D501	D-3	IC600	I-5
D502	G-3	IC800	I-8
D506	E-3	IC801	J-7
D507	E-3		
D520	B-1	Q20	F-10
D522	A-1	Q21	E-13
D551	I-1	Q22	F-13
D580	K-6	Q50	J-11
D582	J-12	Q70	I-13
D584	J-11	Q130	E-7
D585	K-11	Q202	G-3
D586	J-12	Q205	G-3
D588	K-12	Q311	B-10
D591	K-3	Q312	C-9
D592	K-4	Q331	B-10
D601	G-4	Q332	D-8
D661	G-5	Q406	K-5
D662	G-5	Q407	K-6
D700	B-9	Q411	C-9
D704	F-4	Q412	C-9
D705	F-4	Q431	B-10
D706	B-9	Q432	D-8
D707	B-9	Q500	G-3
D709	E-5	Q501	G-3
D711	B-7	Q502	E-3
D712	B-7	Q503	F-4
D713	B-6	Q581	K-2
D714	B-6	Q583	K-3
D715	C-6	Q600	G-4
D716	C-6	Q601	H-4
D717	C-6	Q700	B-9
D718	C-6	Q701	D-8
		Q704	D-6
IC10	F-11	Q705	D-6
IC50	J-10	Q710	E-4
IC90	J-13	Q711	F-5
IC100	F-8	Q720	E-4
IC130	F-6	Q721	F-4



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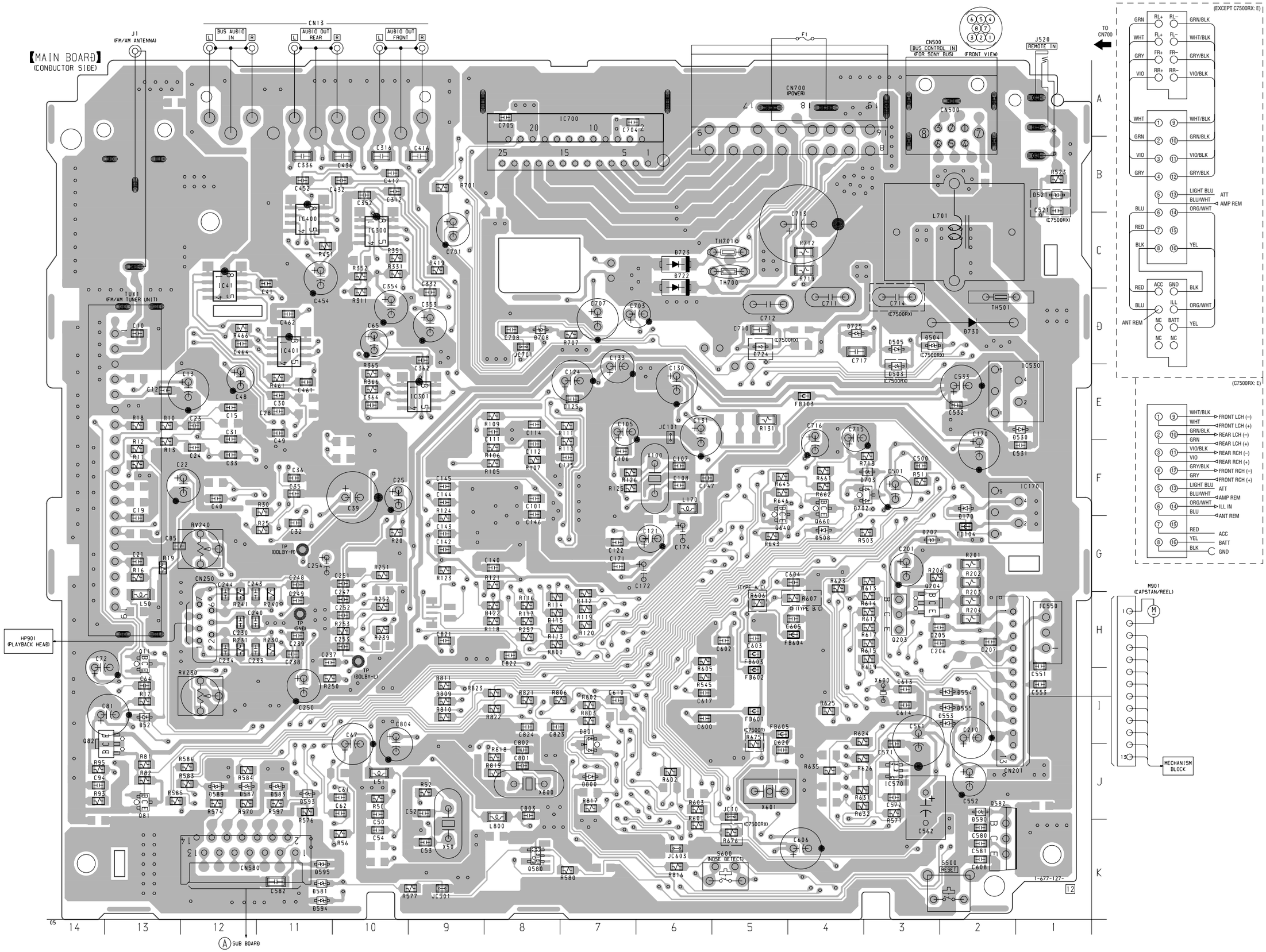
7-7. PRINTED WIRING BOARD – MAIN Board (Conductor Side) –



(Page 28)

- **Semiconductor Location (Conductor Side)**

Ref. No.	Location
D52	I-13
D170	F-2
D202	G-3
D503	E-3
D504	D-3
D505	D-3
D508	G-4
D521	B-1
D530	E-1
D553	I-2
D554	I-2
D555	I-2
D581	K-11
D583	J-11
D587	J-12
D589	J-12
D590	J-2
D593	J-11
D594	K-11
D595	K-11
D702	F-3
D703	F-3
D708	D-8
D722	C-6
D723	C-6
D724	D-5
D725	D-4
D730	D-2
D800	J-7
D801	J-7
IC41	C-12
IC170	F-2
IC300	C-10
IC301	E-9
IC400	C-11
IC401	D-11
IC530	E-2
IC550	H-1
IC570	J-3
IC700	B-7
Q11	H-13
Q81	J-13
Q82	I-13
Q203	H-3
Q204	H-3
Q580	K-8
Q582	K-2
Q640	F-5
Q660	F-4

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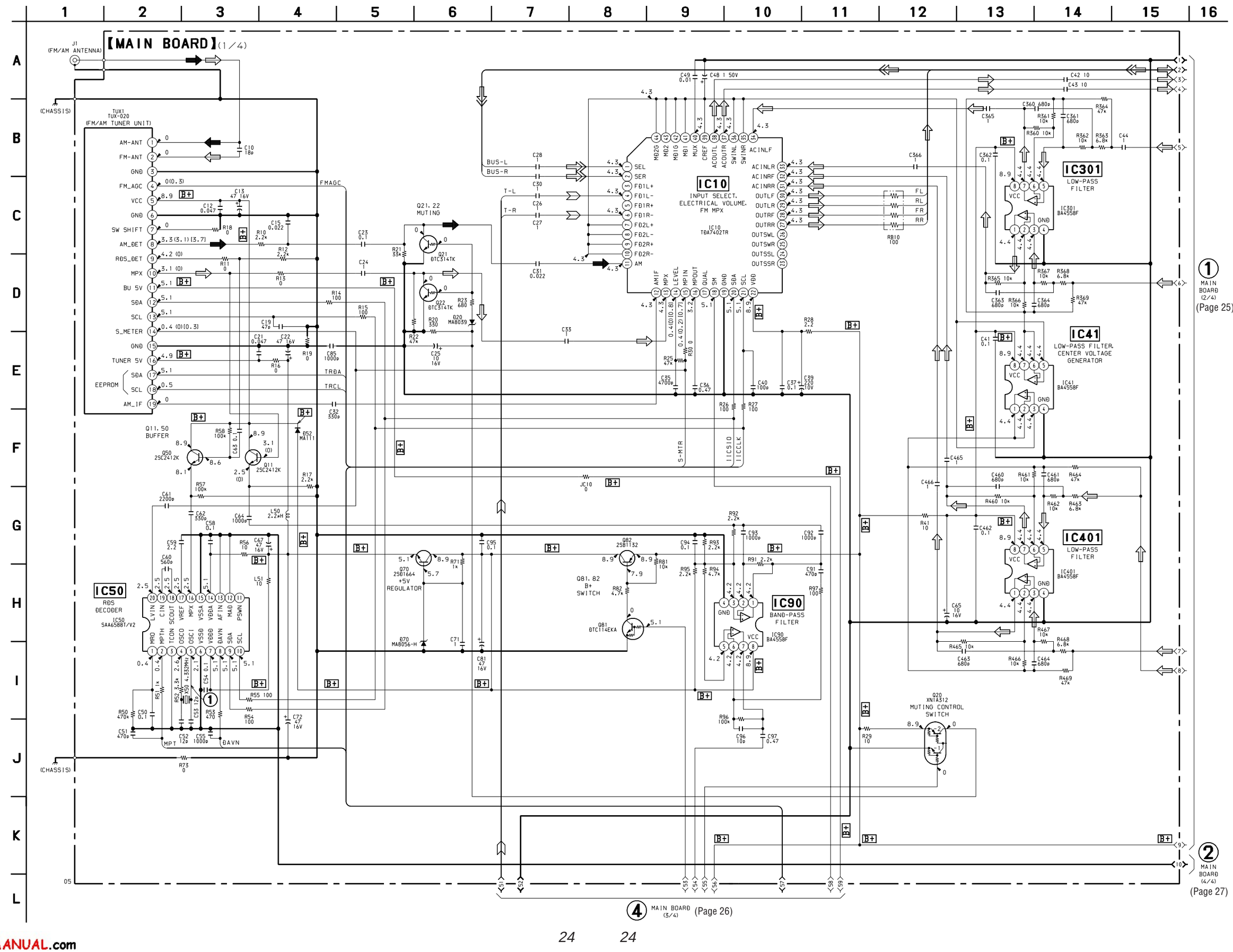
7-8. SCHEMATIC DIAGRAM – MAIN Board (1/4) – • See page 29 for Waveforms. • See page 32 for IC Block Diagrams.



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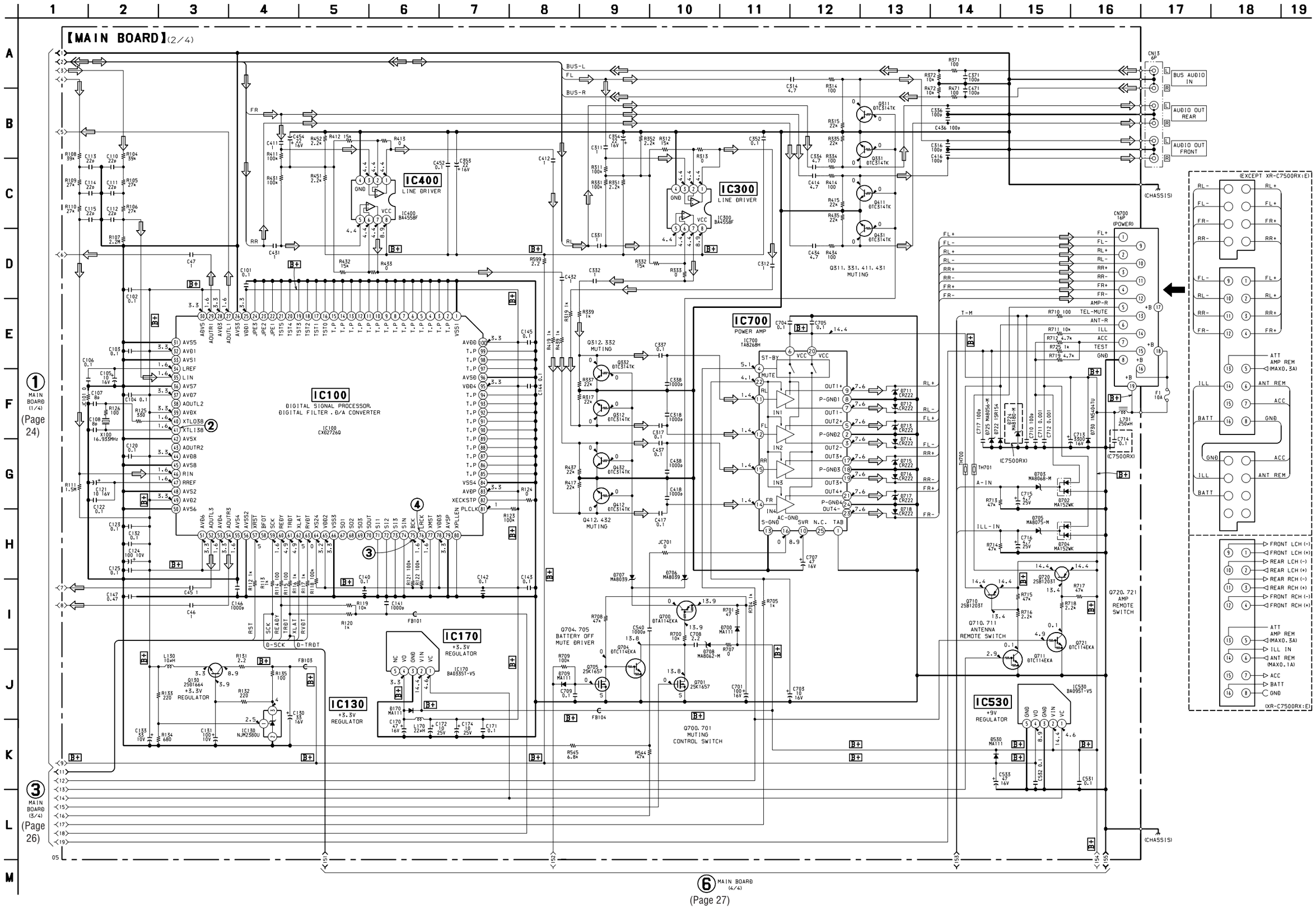
7-9. SCHEMATIC DIAGRAM – MAIN Board (2/4) – • See page 29 for Waveforms. • See page 32 for IC Block Diagrams.



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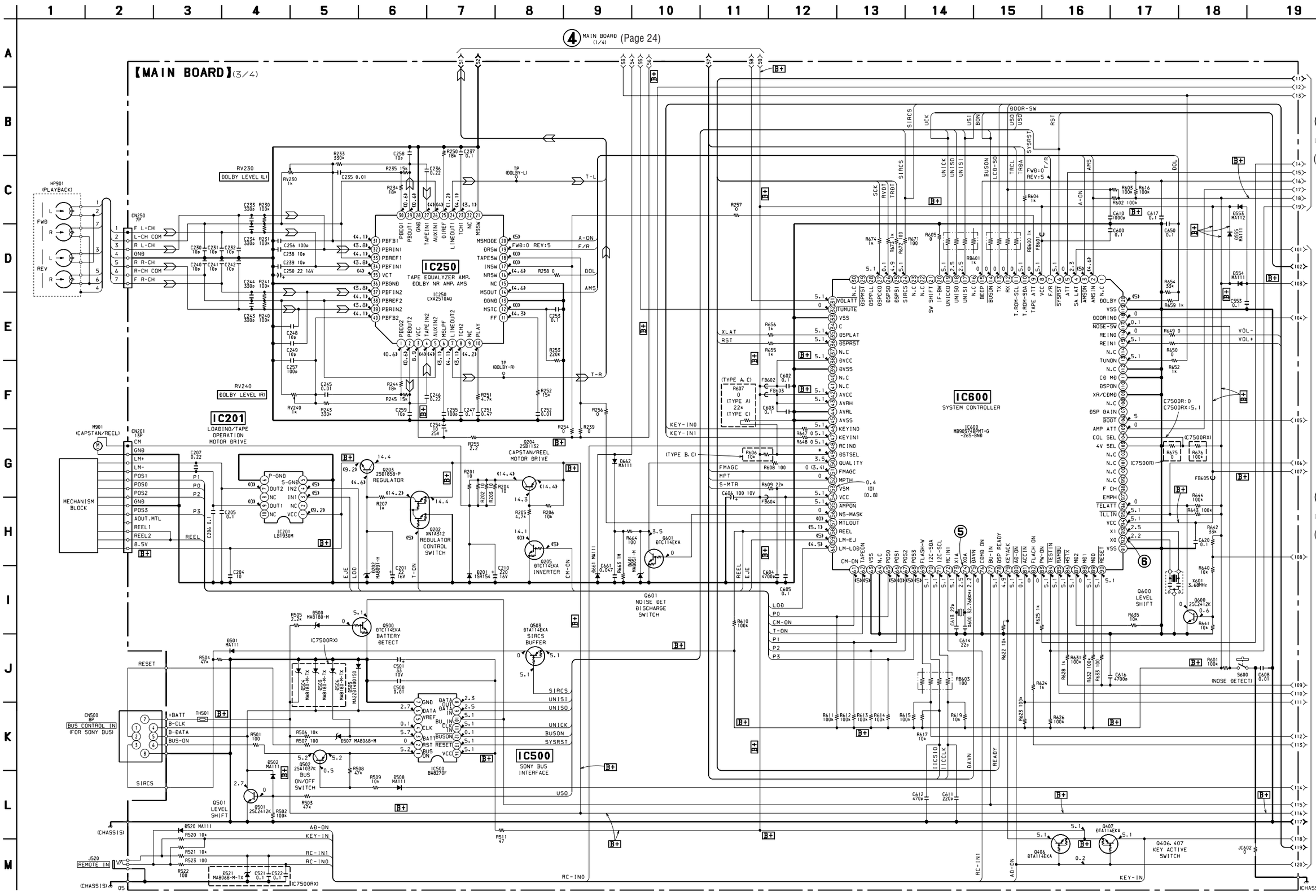
7-10. SCHEMATIC DIAGRAM – MAIN Board (3/4) –

• See page 29 for Waveforms. • See page 32 for IC Block Diagrams.



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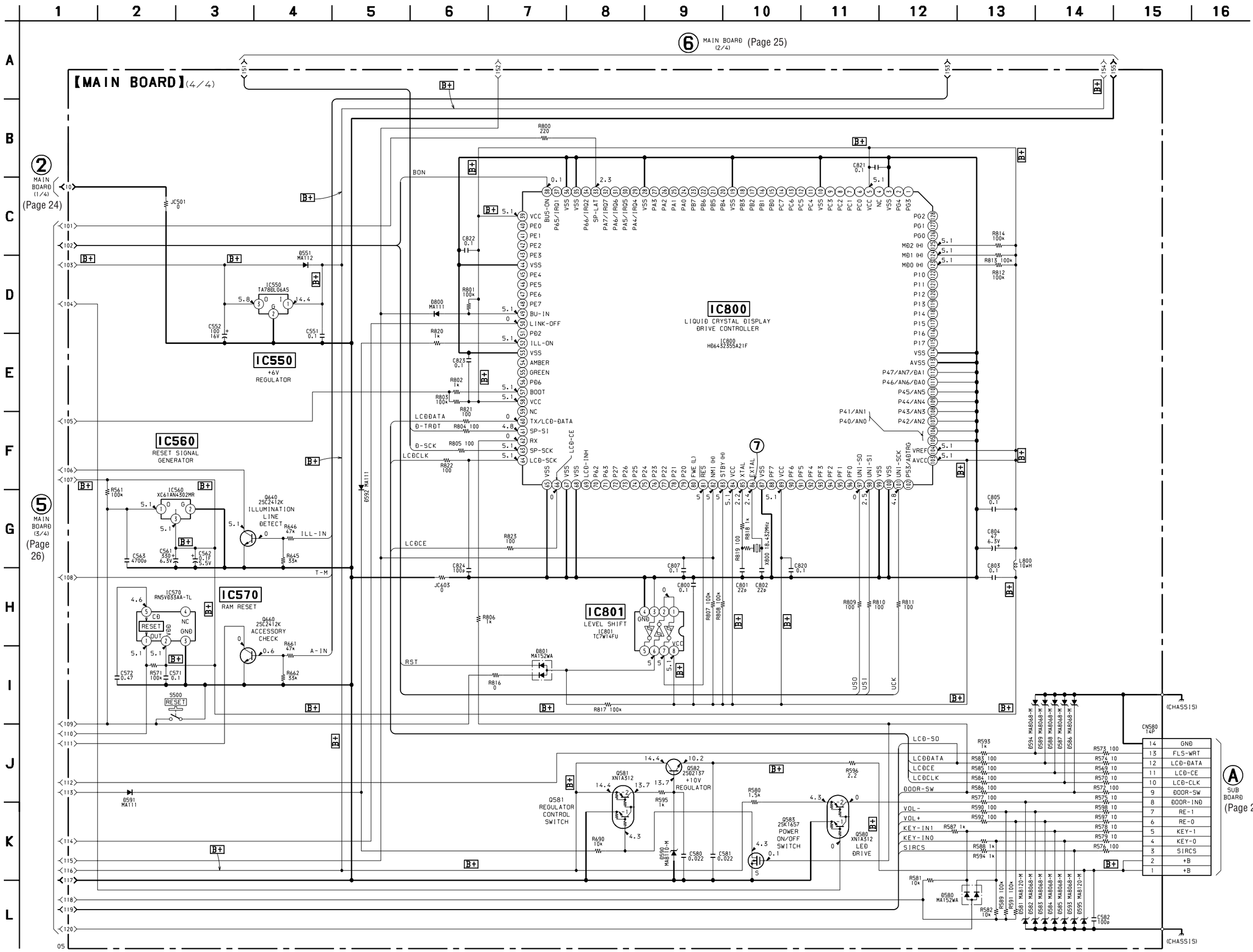
7-11. SCHEMATIC DIAGRAM – MAIN Board (4/4) – • See page 29 for Waveforms. • See page 32 for IC Block Diagrams.



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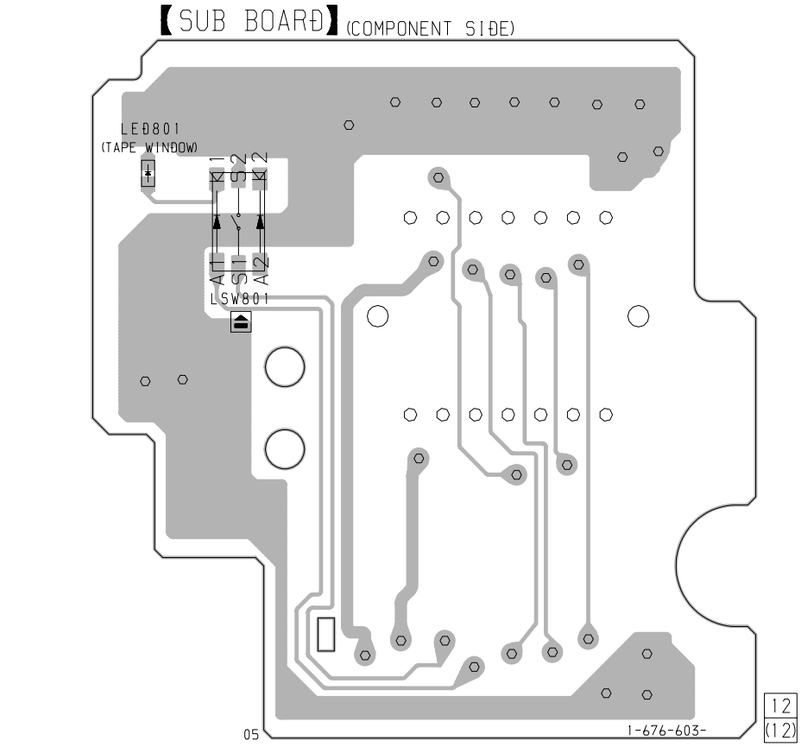
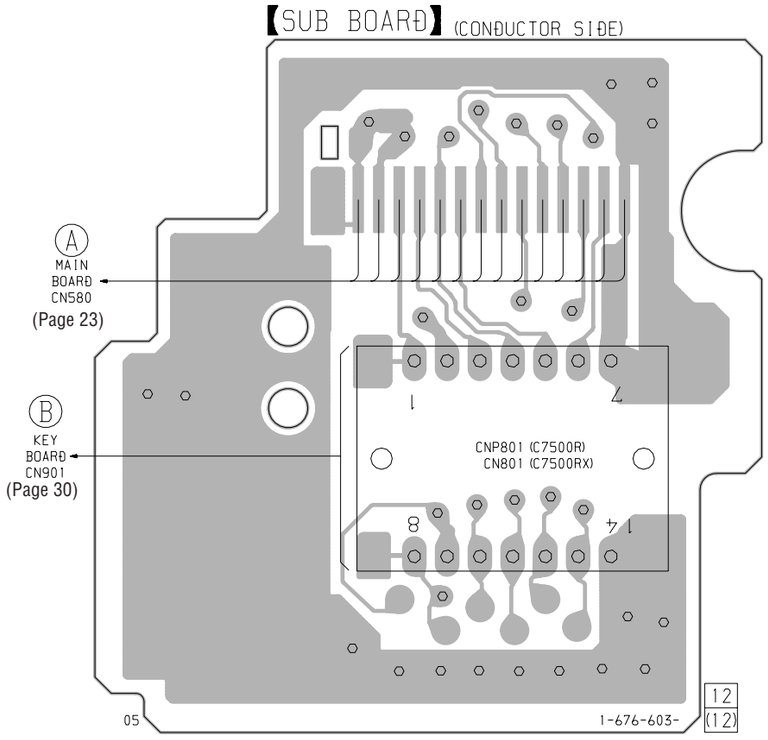
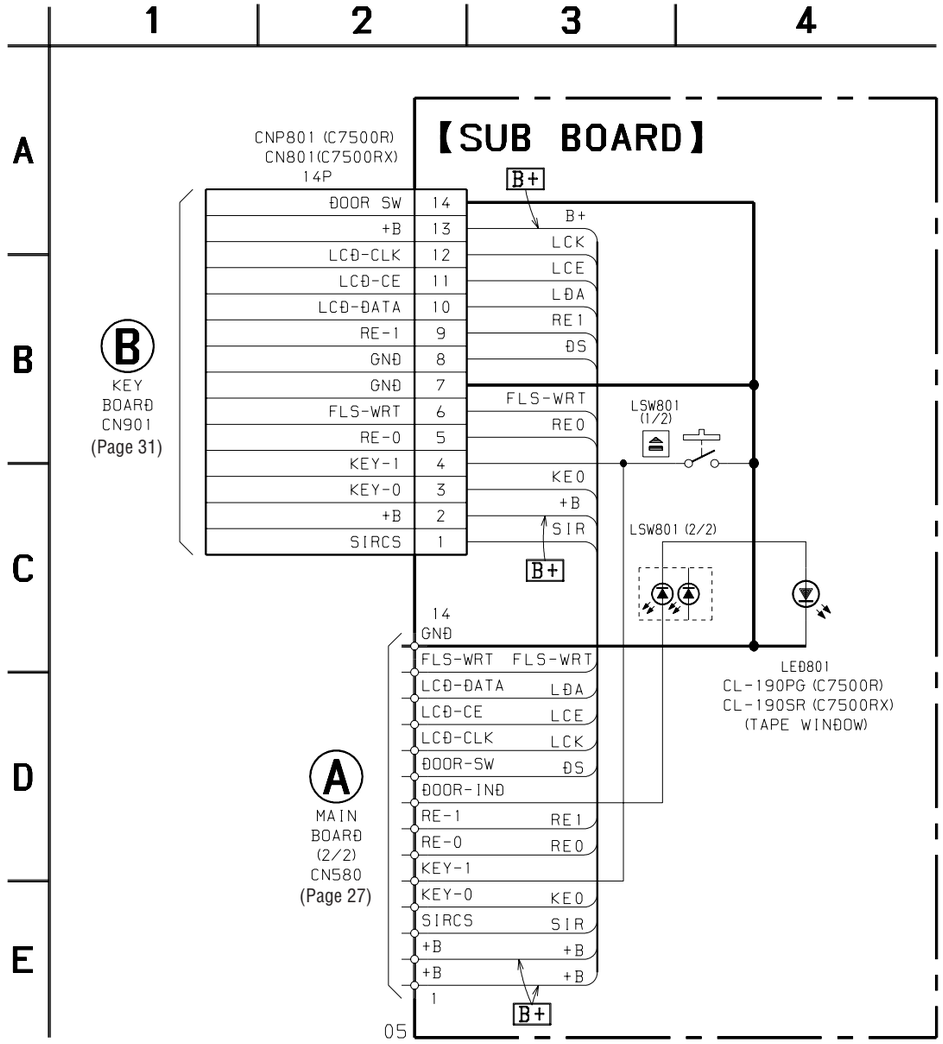
7-12. PRINTED WIRING BOARD – SUB Board –





7-13. SCHEMATIC DIAGRAM – SUB Board –



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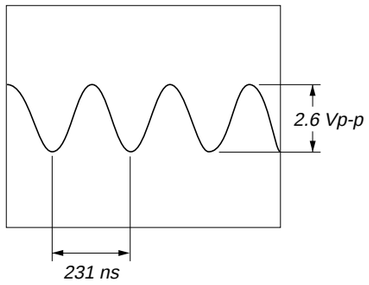
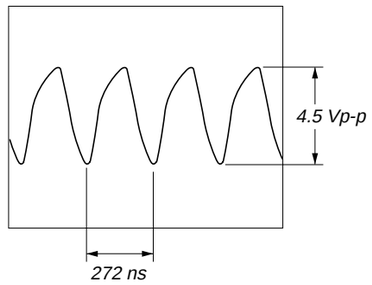
• **Waveforms**

– MAIN Board –

❶ IC50 ⑤ (OSCI)

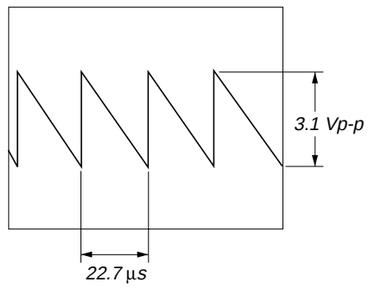


❻ IC600 ㉒ (X0)

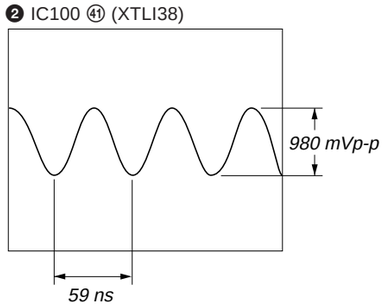


– KEY Board –

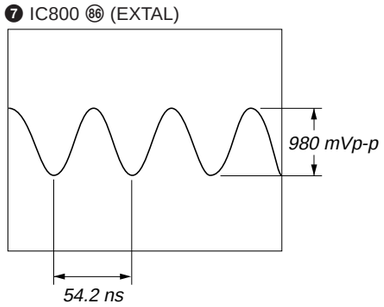
❶ IC901 ㊻ (OSC)



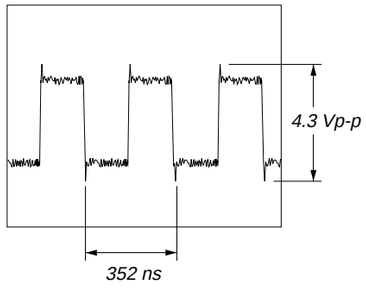
❷ IC100 ㊶ (XTLI38)



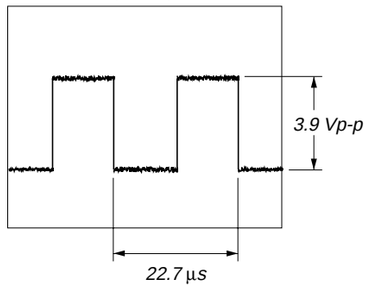
❼ IC800 ㊽ (EXTAL)



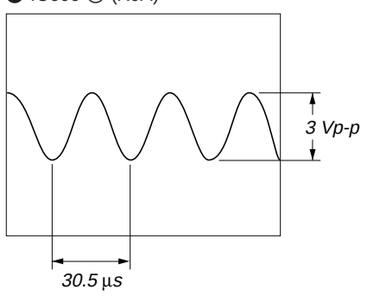
❸ IC100 ㉕ (BCK)



❹ IC100 ㉖ (LRCK)



❺ IC600 ㉔ (X0A)



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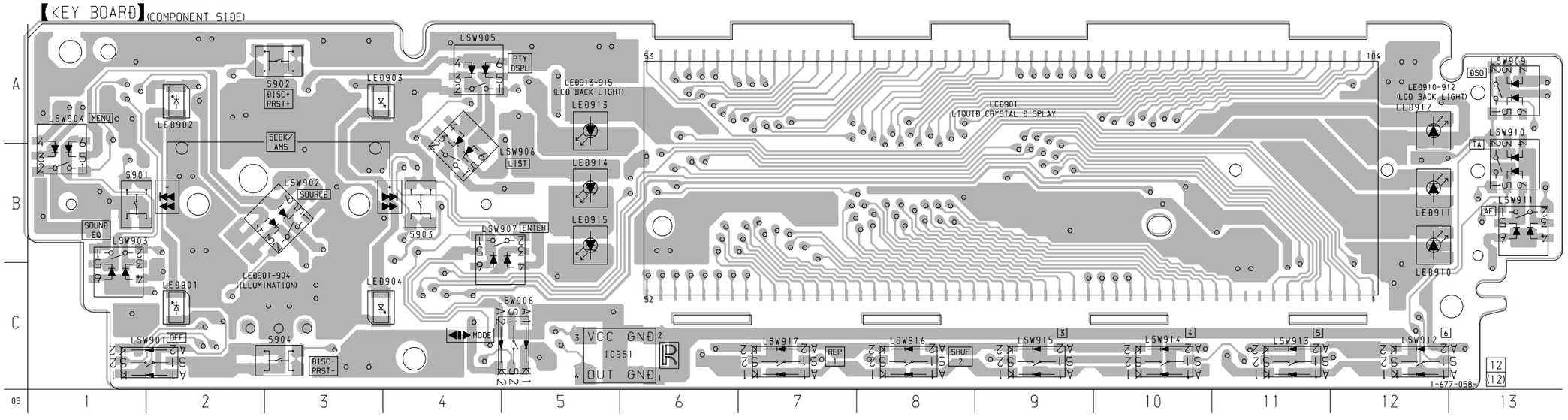
7-14. PRINTED WIRING BOARD – KEY Board –

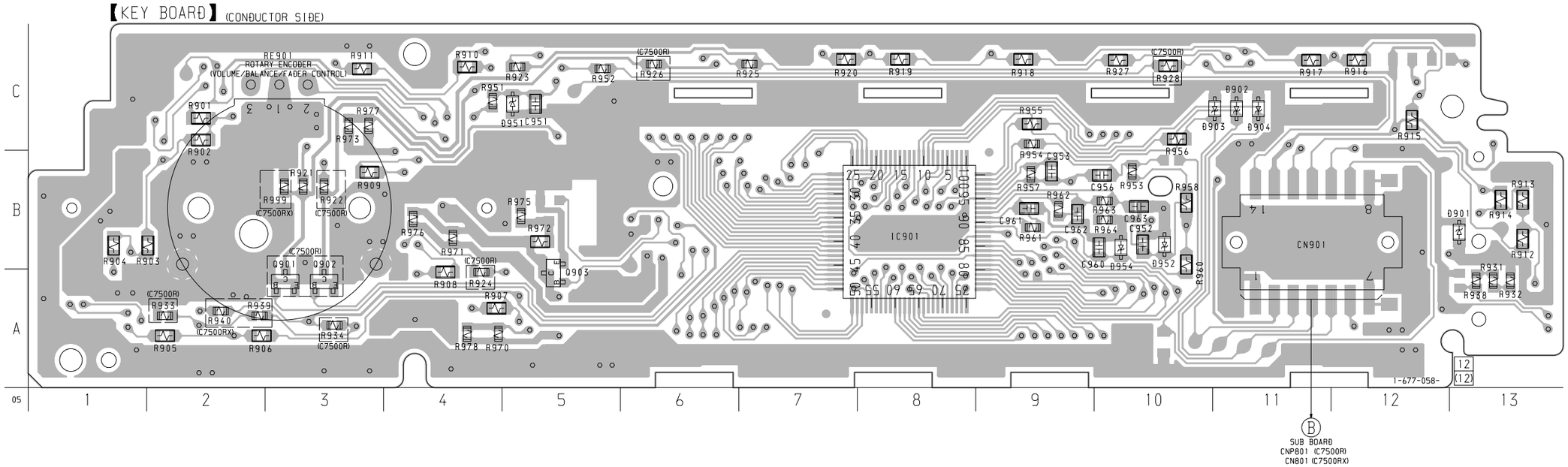
- **Semiconductor Location (Component Side)**

Ref. No.	Location
IC951	C-5
LED901	C-2
LED902	A-2
LED903	A-3
LED904	C-3
LED910	B-12
LED911	B-12
LED912	A-12
LED913	A-5
LED914	B-5
LED915	B-5



- **Semiconductor Location (Conductor Side)**

Ref. No.	Location
D901	B-13
D902	C-11
D903	C-11
D904	C-11
D951	C-5
D952	B-10
D954	B-10
IC901	B-8
Q901	A-3
Q902	A-3
Q903	A-5



(Page 28)

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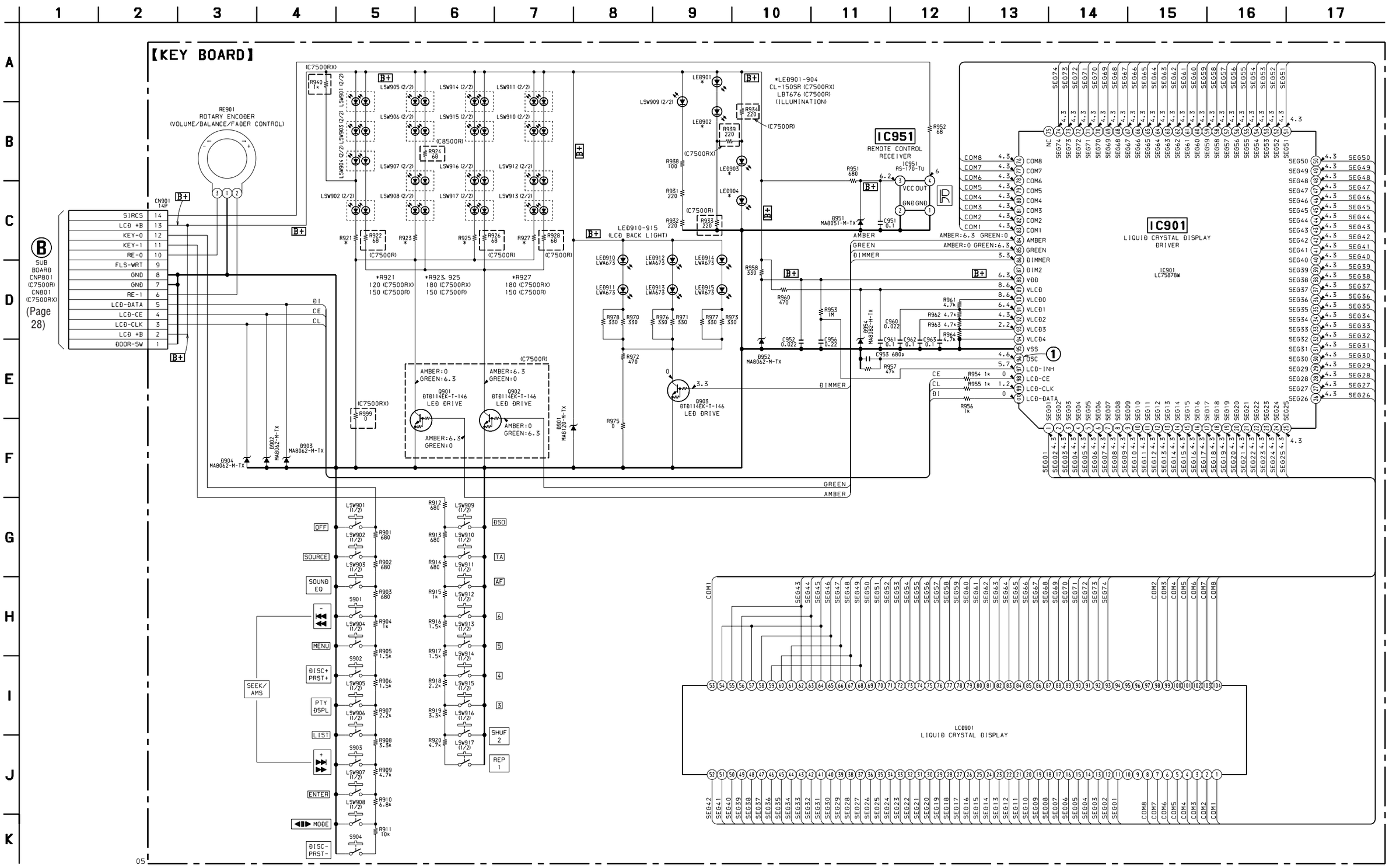
7-15. SCHEMATIC DIAGRAM – KEY Board – • See page 29 for Waveforms.



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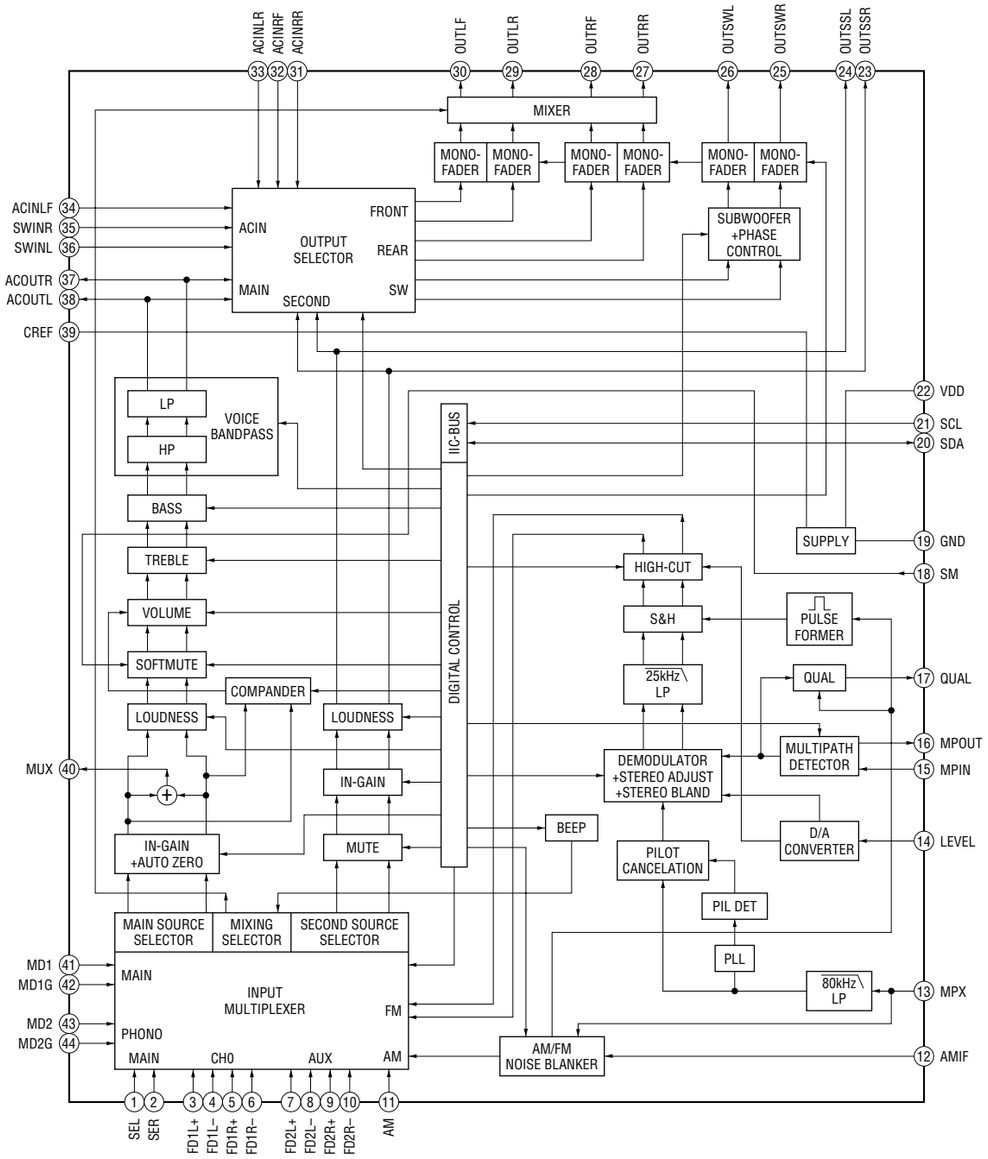
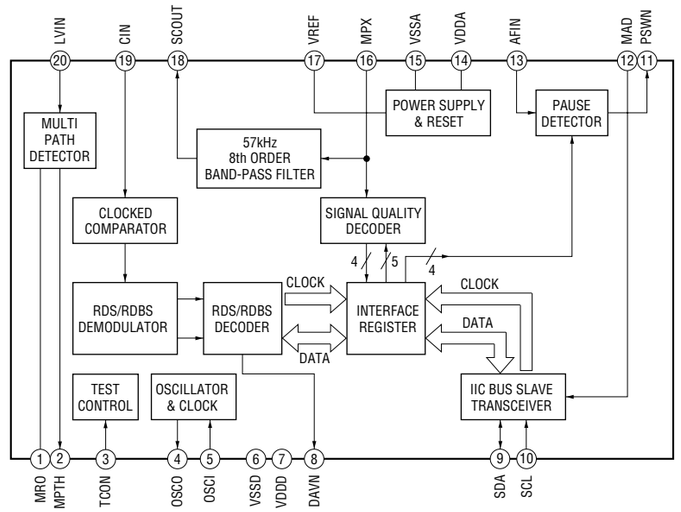
• **IC Block Diagrams**
– MAIN Board –

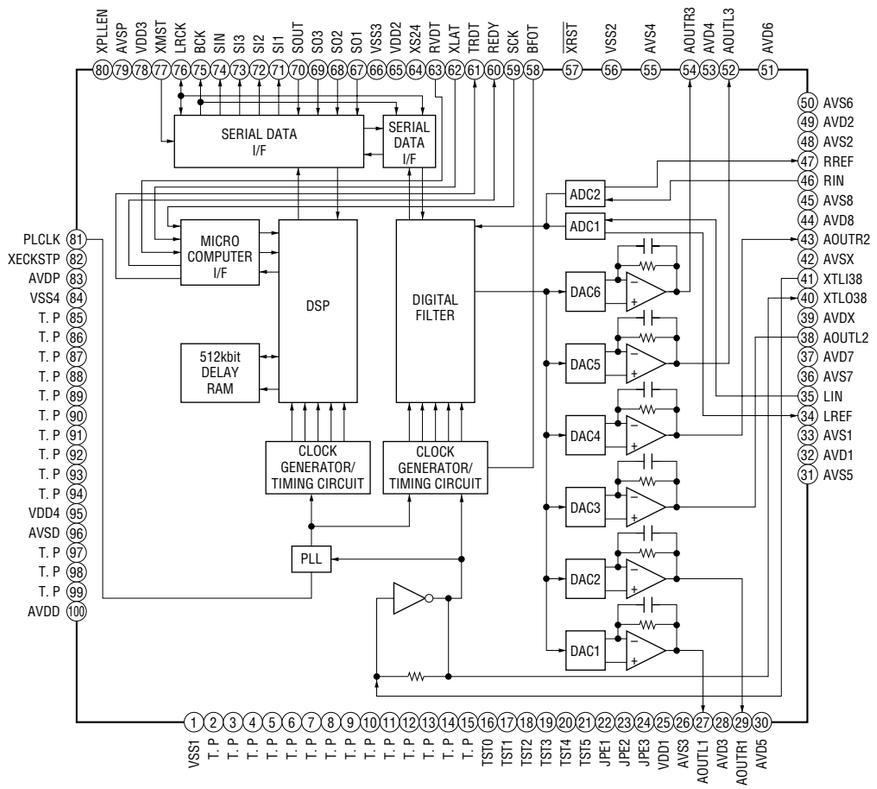
IC10 TDA7402TR



IC50 SAA6588T/V2-118



IC100 CXD2726Q-4



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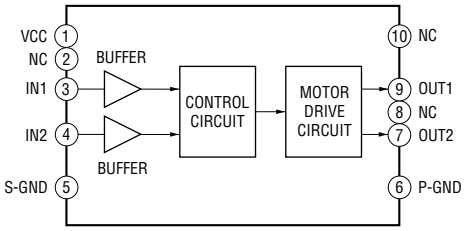
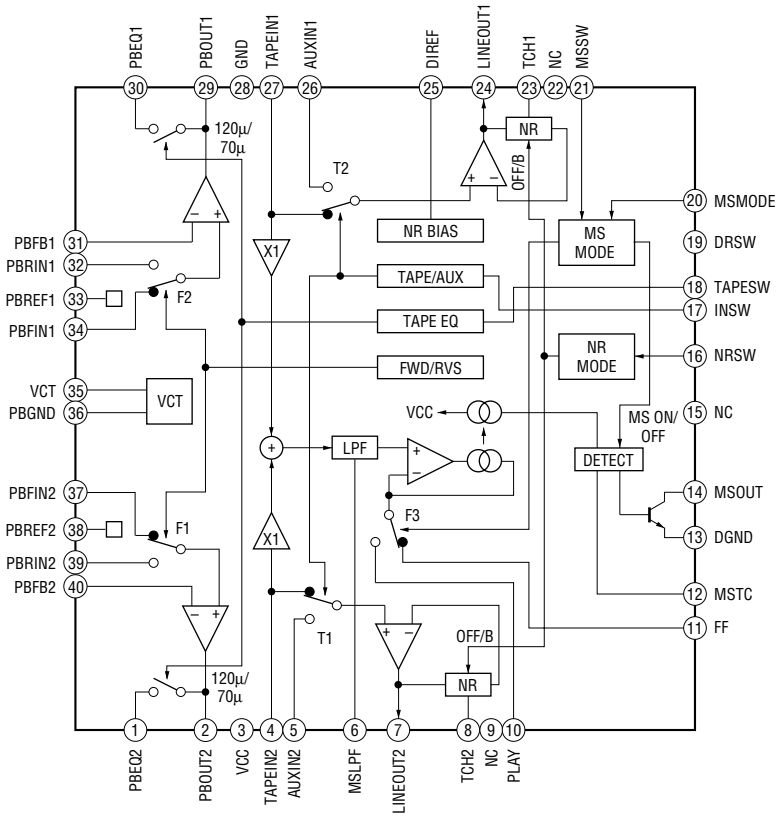
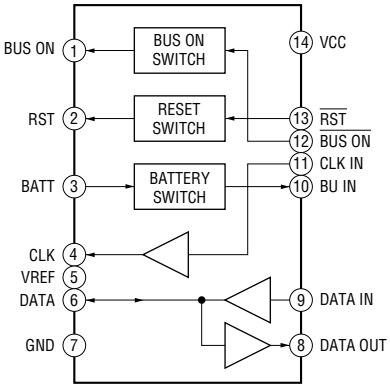
IC201 LB1930M-TLM



IC250 CXA2510AQ-T4



IC500 BA8270F-E2



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7-16. IC PIN FUNCTION DESCRIPTION

• MAIN BOARD IC100 CXD2726Q-4 (DIGITAL SIGNAL PROCESSOR, DIGITAL FILTER, D/A CONVERTER)

Pin No.	Pin Name	I/O	Description
1	VSS1	—	Ground terminal (digital system)
2 to 15	T.P	I	Input terminal for the test (fixed at “L”)
16 to 21	TST0 to TST5	I	Input terminal for the test (fixed at “L”)
22 to 24	JPE1 to JPE3	I	External condition jump terminal “H”: condition jump (fixed at “L”)
25	VDD1	—	Power supply terminal (+3.3V) (digital system)
26	AVS3	—	Ground terminal (for D/A converter 1) (analog system)
27	AOUTL1	O	D/A converter 1 (L-ch side) output terminal Analog signal output for front side (L-ch side) output in this set
28	AVD3	—	Power supply terminal (+3.3V) (for D/A converter 1) (analog system)
29	AOUTR1	O	D/A converter 1 (R-ch side) output terminal Analog signal output for rear side (L-ch side) output in this set
30	AVD5	—	Power supply terminal (+3.3V) (for D/A converter 1) (analog system)
31	AVS5	—	Ground terminal (for D/A converter 1) (analog system)
32	AVD1	—	Power supply terminal (+3.3V) (for L-ch side A/D converter) (analog system)
33	AVS1	—	Ground terminal (for L-ch side A/D converter) (analog system)
34	LREF	O	Connected to the bus control for A/D converter (for L-ch side)
35	LIN	I	A/D converter (L-ch side) analog input terminal Tuner and bus audio input signal (L-ch side) in this set
36	AVS7	—	Ground terminal (for D/A converter 2) (analog system)
37	AVD7	—	Power supply terminal (+3.3V) (for D/A converter 2) (analog system)
38	AOUTL2	O	D/A converter 2 (L-ch side) output terminal Not used (open)
39	AVDX	—	Power supply terminal (+3.3V) (for master clock) (analog system)
40	XTLO38	O	System clock output terminal (16.9344 MHz)
41	XTLI38	I	System clock input terminal (16.9344 MHz)
42	AVSX	—	Ground terminal (for master clock) (analog system)
43	AOUTR2	O	D/A converter 2 (R-ch side) output terminal Not used (open)
44	AVD8	—	Power supply terminal (+3.3V) (for D/A converter 2) (analog system)
45	AVS8	—	Ground terminal (for D/A converter 2) (analog system)
46	RIN	I	A/D converter (R-ch side) analog input terminal Tuner and bus audio input signal (R-ch side) in this set
47	RREF	O	Connected to the bus control for A/D converter (for R-ch side)
48	AVS2	—	Ground terminal (for R-ch side A/D converter) (analog system)
49	AVD2	—	Power supply terminal (+3.3V) (for R-ch side A/D converter) (analog system)
50	AVS6	—	Ground terminal (for D/A converter 3) (analog system)
51	AVD6	—	Power supply terminal (+3.3V) (for D/A converter 3) (analog system)
52	AOUTL3	O	D/A converter 3 (L-ch side) output terminal Analog signal output for rear side (R-ch side) output in this set
53	AVD4	—	Power supply terminal (+3.3V) (for D/A converter 3) (analog system)
54	AOUTR3	O	D/A converter 3 (R-ch side) output terminal Analog signal output for front side (R-ch side) output in this set
55	AVS4	—	Ground terminal (for D/A converter 3) (analog system)
56	VSS2	—	Ground terminal (digital system)
57	$\overline{\text{XRST}}$	I	System reset signal input from the system controller (IC600) “L”: reset
58	BFOT	O	Master clock signal output terminal Not used (open)
59	SCK	I	Serial data transfer clock signal input from the system controller (IC600) and liquid crystal display drive controller (IC800)

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Pin No.	Pin Name	I/O	Description
60	REDY	O	Transfer enable signal output to the system controller (IC600) “L”: transfer prohibition
61	TRDT	O	Serial data output to the system controller (IC600) and liquid crystal display drive controller (IC800)
62	XLAT	I	Serial data latch pulse input from the system controller (IC600)
63	RVDT	I	Serial data input from the system controller (IC600)
64	XS24	I	Serial data 24/32 bit slot selection signal input terminal “L”: 24 bit slot, “H”: 32 bit slot (validity at slave mode) (fixed at “H” in this set)
65	VDD2	—	Power supply terminal (+3.3V) (digital system)
66	VSS3	—	Ground terminal (digital system)
67 to 69	SO1 to SO3	O	Serial data output terminal Not used (open)
70	SOUT	O	Serial data output terminal Not used (open)
71 to 73	SI1 to SI3	I	Serial data input terminal Not used (fixed at “L”)
74	SIN	I	Serial data input terminal Not used (fixed at “L”)
75	BCK	I	Bit clock signal (2.8224 MHz) input terminal Not used (fixed at “H”)
76	LRCK	I	L/R sampling clock signal (44.1 kHz) input terminal Not used (fixed at “H”)
77	XMST	I	Bit clock (BCK) and L/R sampling clock (LRCK) signal master/slave mode selection signal input terminal “L”: master mode, “H”: slave mode (fixed at “L” in this set)
78	VDD3	—	Power supply terminal (+3.3V) (digital system)
79	AVSP	—	Ground terminal (PLL system)
80	XPLLEN	I	PLL enable signal input terminal Normally: fixed at “L”
81	PLCLK	O	PLL clock signal output terminal (22.5792 MHz)
82	XECKSTP	I	PLL clock output control signal input terminal Not used (fixed at “L”)
83	AVDP	—	Power supply terminal (+3.3V) (PLL system)
84	VSS4	—	Ground terminal (digital system)
85 to 94	T.P	I	Input terminal for the test Normally: fixed at “L”
95	VDD4	—	Power supply terminal (+3.3V) (digital system)
96	AVSD	—	Ground terminal (for D-RAM)
97 to 99	T.P	I	Input terminal for the test Normally: fixed at “L”
100	AVDD	—	Power supply terminal (+3.3V) (for D-RAM)

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• **MAIN BOARD IC600 MB90574BPMT-G-265-BND (SYSTEM CONTROLLER)**

Pin No.	Pin Name	I/O	Description
1	NC	O	Not used (open)
2	AMSIN	I	Whether a music is present or not from CXA2510AQ (IC250) is detected at auto music sensor “L”: music is present, “H”: music is not present
3	$\overline{\text{AMSON}}$	O	Tape auto music sensor control signal output to the CXA2510AQ (IC250) “L” is output to lower the gain for audio level at FF/REW mode
4	SA LAT	O	Serial data latch pulse output for spectrum analyzer section to the liquid crystal display drive controller (IC800)
5	ATT	O	Audio line muting on/off control signal output terminal “H”: muting on
6	$\overline{\text{SYSRST}}$	O	System reset signal output to the liquid crystal display drive controller (IC800) and SONY bus interface (IC500) “L”: reset
7	F/$\overline{\text{R}}$	O	Forward/reverse direction control signal output to the CXA2510AQ (IC250) “L”: reverse direction, “H”: forward direction
8	VCC	—	Power supply terminal (+5V)
9	TAPE ATT	O	Tape muting on/off control signal output to the CXA2510AQ (IC250) “H”: muting on Active at ATA, FF/REW mode
10	T. ROM-SDA	I/O	Two-way data bus for tuner EEPROM with the FM/AM tuner unit (TUX1)
11	T. ROM-SCL	I/O	Two-way bus clock signal for tuner EEPROM with the FM/AM tuner unit (TUX1)
12	RX	I	Input terminal at the flash memory data write mode Front panel open/close detection signal input terminal “L” is input when the front panel is closed
13	TX	O	Output terminal at the flash memory data write mode Display serial data output to the liquid crystal display driver (IC901)
14	$\overline{\text{BUS-ON}}$	O	Bus on/off control signal output to the liquid crystal display drive controller (IC800) and SONY bus interface (IC500) “L”: bus on
15	BEEP	O	Beep sound drive signal output terminal
16	NC	O	Not used (open)
17	UNISI	I	Serial data input from the SONY bus interface (IC500)
18	UNISO	O	Serial data output to the SONY bus interface (IC500)
19	UNICKO	O	Serial clock signal output to the liquid crystal display drive controller (IC800) and SONY bus interface (IC500)
20	IF-BW	I	Tuner wide/narrow select signal input terminal “L”: wide, “H”: narrow Not used (fixed at “L”)
21	SW SHIFT	O	Not used
22, 23	NC	O	Not used (open)
24	SIRCS	I	Sircs remote control signal input from the remote control receiver (IC951)
25	DSPSI	I	Serial data input from the CXD2726Q (IC100)
26	DSPSO	O	Serial data output to the CXD2726Q (IC100)
27	DSPCKO	O	Serial data transfer clock signal output to the CXD2726Q (IC100) and liquid crystal display drive controller (IC800)
28	DSPPLL	O	PLL clock control signal output terminal Not used (open)
29	$\overline{\text{DSPMST}}$	O	Bit clock (BCK) and L/R sampling (LRCK) signal master/slave mode selection signal output terminal “L”: master mode, “H”: slave mode Not used (open)
30	NC	O	Not used (open)
31	$\overline{\text{VOLATT}}$	O	Pre amplifier muting on/off control signal output to the electrical volume (IC10) “L”: muting on
32	$\overline{\text{TUMUTE}}$	O	Muting on/off control signal output of the FM/AM tuner signal “L”: muting on
33	VSS	—	Ground terminal
34	C	—	Connected to coupling capacitor for the power supply Not used (open)

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Pin No.	Pin Name	I/O	Description
35	DSPLAT	O	Serial data latch pulse output to the CXD2726Q (IC100)
36	$\overline{\text{DSPRST}}$	O	Reset signal output to the CXD2726Q (IC100) "L": reset
37	NC	O	Not used (open)
38	DVCC	—	Power supply terminal (+5V) (for D/A converter)
39	DVSS	—	Ground terminal (for D/A converter)
40, 41	NC	O	Not used (open)
42	AVCC	—	Power supply terminal (+5V) (for analog system)
43	AVRH	I	Reference voltage (+5V) input terminal (for A/D converter)
44	AVRL	I	Reference voltage (0V) input terminal (for A/D converter)
45	AVSS	—	Ground terminal (for analog system)
46	KEYIN0	I	Key input terminal (A/D input) (LSW901 to LSW908, S901 to S904) OFF, SOURCE, SOUND EQ, MENU, PTY DSPL, LIST, ENTER, ◀II▶ MODE, SEEK/AMS - I◀◀ ◀◀ + ▶▶I ▶▶, DISC/PRST +, DISC/PRST – keys input
47	KEYIN1	I	Key input terminal (A/D input) (LSW801, LSW909 to LSW917) ⏏, DSO, TA, AF, 6 to 3 SHUF 2, REP 1 keys input
48	RCIN0	I	Rotary remote commander key input terminal (A/D input)
49	DSTSEL	I	Destination setting terminal (A/D input) "L": XR-C7500R/C7500RX: TYPE A, "M": XR-C7500R/C7500RX: TYPE C, "H": XR-C7500R/C7500RX: TYPE B
50	QUALITY	I	Noise level detection signal input at SEEK mode (A/D input)
51	FMAGC	I	FM AGC detection signal input from the FM/AM tuner unit (TUX1) (A/D input)
52	MPTH	I	Multi-path detection signal input from the RDS decoder (IC50) (A/D input)
53	VSM	I	FM and AM signal meter voltage detection input from the FM/AM tuner unit (TUX1) (A/D input)
54	VCC	—	Power supply terminal (+5V)
55	$\overline{\text{AMP ON}}$	O	Standby on/off control signal output to the power amplifier (IC700) "L": standby mode, "H": amp on
56	NS-MASK	O	Discharge control signal output for the noise detection circuit "H": discharge
57	$\overline{\text{MTLOUT}}$	O	METAL on/off control signal output to the CXA2510AQ (IC250) "H": METAL on
58	REEL	I	Rotation detect signal input from supply reel sensor and take-up reel sensor on the deck mechanism
59	LM-EJ	O	Motor drive signal output to the loading/tape operation motor drive (IC201) "H" active (For the eject direction and reverse side operation) *1
60	LM-LOD	O	Motor drive signal output to the loading/tape operation motor drive (IC201) "H" active (For the loading direction and forward side operation) *1
61	CM ON	O	Capstan/reel motor (M901) drive signal output terminal "H": motor on
62	TAPE ON	O	Tape system power supply on/off control signal output terminal "H": tape on
63	VSS	—	Ground terminal
64	NC	I	Not used (fixed at "L")
65	POS0	I	Tape position (EJECT/FF/REW/REV/ FWD mode) detect input from the tape operation switch on the deck mechanism POS0: "L": EJECT mode, "H": others mode POS1: "L": FF and FWD mode, "H": others mode POS2: "L": REW mode, "H": others mode POS3: "L": REV and EJECT mode, "H": others mode
66	POS1	I	
67	POS2	I	
68	POS3	I	
69	FLASH-W	I	Internal flash memory data write mode detection signal input terminal "L": data write mode Not used (fixed at "H")
70	I2C SDA	I/O	Two-way data I^2C bus with the FM/AM tuner unit (TUX1), RDS decoder (IC50) and electrical volume (IC10)
71	I2C SCL	O	I^2C bus clock signal output to the FM/AM tuner unit (TUX1), RDS decoder (IC50) and electrical volume (IC10)
72	RCIN1	I	Rotary remote commander shift key input terminal

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Pin No.	Pin Name	I/O	Description
73	X1A	O	Sub system clock output terminal (32.768 kHz)
74	X0A	I	Sub system clock input terminal (32.768 kHz)
75	$\overline{\text{DAVN}}$	I	Data transmit completed detection signal input from the RDS decoder (IC50) "H" active
76	CDON-ON	I	CD/MD on/off control signal input terminal (fixed at "L" in this set)
77	BU-IN	I	Battery detection signal input from the SONY bus interface (IC500) and battery detect circuit "L" is input at low voltage
78	DSPREADY	I	Transfer enable signal input from the CXD2726Q (IC100) "L": transfer prohibition , "H": transfer permission
79	KEYACK	I	Input of acknowledge signal for the key entry Acknowledge signal is input to accept function and eject keys in the power off status On at input of "H"
80	$\overline{\text{AD ON}}$	O	A/D converter power control signal output terminal When the KEYACK (pin ⑲) that controls reference voltage power for key A/D conversion input is active, "L" is output from this terminal to enable the input
81	$\overline{\text{ACCIN}}$	I	Accessory detection signal input terminal "L": accessory on
82	FLASH ON	O	Power on/off control signal output of the illumination LED and liquid crystal display driver (IC800) "H": power on
83	PW-ON	O	Main system power supply on/off control signal output terminal "H": power on
84	$\overline{\text{TESTIN}}$	I	Setting terminal for the test mode "L": test mode, Normally: fixed at "H"
85	$\overline{\text{RAMBU}}$	I	Internal RAM reset detection signal input from the RAM reset (IC570) Input terminal to check that RAM data are not destroyed due to low voltage This checking is made within 100 msec after reset
86	$\overline{\text{HSTX}}$	I	Hardware standby input terminal "L": hardware standby mode Reset signal input in this set
87	MD2	I	Setting terminal for the CPU operational mode (fixed at "L" in this set)
88	MD1	I	Setting terminal for the CPU operational mode (fixed at "H" in this set)
89	MD0	I	Setting terminal for the CPU operational mode (fixed at "H" in this set)
90	$\overline{\text{RESET}}$	I	System reset signal input from the reset signal generator (IC560) and reset switch (S500) "L": reset "L" is input for several 100 msec after power on, then it changes to "H"
91	VSS	—	Ground terminal
92	X0	I	Main system clock input terminal (3.68 MHz)
93	X1	O	Main system clock output terminal (3.68 MHz)
94	VCC	—	Power supply terminal (+5V)
95	$\overline{\text{ILLIN}}$	I	Auto dimmer control illumination line detection signal input terminal "L" is input at dimmer detection
96	$\overline{\text{TELATT}}$	I	Telephone detection signal input terminal At input of "H", the signal is attenuated by –20 dB
97	EMPH	I	Emphasis control signal input terminal Not used (open)
98	F CH	O	Frequency changing terminal "H": frequency change Not used (open)
99 to 102	NC	O	Not used (open)
103	4V SEL	I	Input terminal of whether line driver is mounted or not is detected "L": line driver is not mounted, "H": line driver is mounted
104	COL SEL	I	Setting terminal for the illumination color "L": 2 color (XR-C7500R), "H": 1 color (XR-C7500RX)
105	AMPATT	O	Power amplifier muting on/off control signal output terminal "H": muting on
106	$\overline{\text{BOOT}}$	O	Serial data output to the liquid crystal display drive controller (IC800)
107	DSP GAIN	O	Not used (open)
108	NC	O	Not used (open)
109	XR CDMD	I	Setting terminal for the internal mechanism tape or CD/MD "L": tape, "H": CD/MD (fixed at "L" in this set)
110	DSP ON	O	Power supply on/off control signal output terminal "H": DSP on Not used (open)

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Pin No.	Pin Name	I/O	Description
111	CD MD	I	Setting terminal for the internal mechanism CD or MD "L": CD, "H": MD (fixed at "L" in this set)
112	NC	I	Not used (fixed at "L")
113	TUNON	O	Tuner system power supply on/off control signal output terminal "H": tuner power on
114	NC	O	Not used (open)
115	REIN1	I	Dial pulse input of the rotary encoder (RE901) (A phase input) (for VOLUME/BASS/TREBLE/BALANCE/FADER control)
116	REIN0	I	Dial pulse input of the rotary encoder (RE901) (B phase input) (for VOLUME/BASS/TREBLE/BALANCE/FADER control)
117	$\overline{\text{NOSE-SW}}$	I	Front panel block remove/attach detection signal input from the nose detection switch (S600) "L": front panel is attached
118	DOORIND	O	LED drive signal output of the tape window illumination and ⏏ indicator (LED801, LSW801) "H": LED on "H" is output to turn on LED when front panel is opened
119	VSS	—	Ground terminal
120	DOLBY	O	Dolby-B on/off select signal output to the CXA2510AQ (IC250) "H": dolby on

*1 Loading/tape operation motor control

Mode / Terminal	STOP	LOADING/ FORWARD	EJECT/ REVERSE	BRAKE
LM-LOD (pin ⑥⓪)	"L"	"H"	"L"	"H"
LM-EJ (pin ⑤⑨)	"L"	"L"	"H"	"H"

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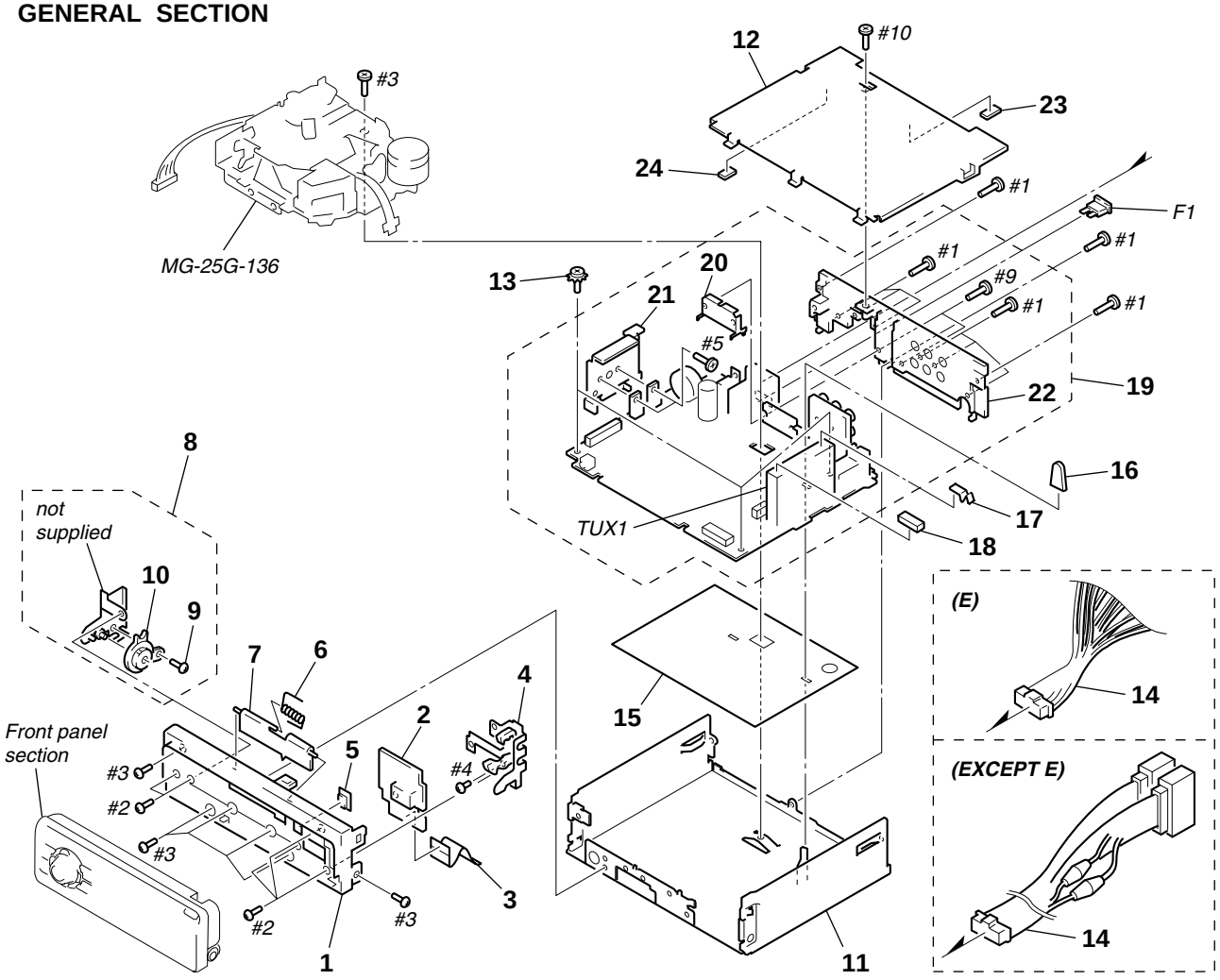
SECTION 8
EXPLODED VIEWS

NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.
- Please refer to servicing notes (page 2) for system of TYPE A, B and C.

(1) GENERAL SECTION



Ref. No.	Part No.	Description	Remark
1	X-3378-397-1	PANEL ASSY, SUB	
* 2	1-676-603-12	SUB BOARD	
3	1-792-195-11	CABLE, FLEXIBLE FLAT	
4	X-3377-621-2	LOCK ASSY	
5	3-040-990-01	BUTTON (EJECT) (⏏)	
6	3-935-003-01	SPRING, TORSION	
7	3-027-437-12	DOOR, CASSETTE	
8	X-3376-699-2	GEAR ASSY	
9	3-713-786-51	SCREW +P 2X3	
10	3-030-909-02	DAMPER, OIL	
* 11	3-040-994-01	CHASSIS	
* 12	3-040-995-01	COVER	
13	3-915-923-01	SCREW, GROUND POINT	
14	1-776-207-72	CORD (WITH CONNECTOR) (POWER) (E)	
14	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER)	(EXCEPT E)
* 15	3-045-828-01	INSULATED PLATE	
16	3-012-859-01	CAP (25), RUBBER	
* 17	3-045-878-01	PLATE (TU), GROUND	
* 18	3-045-877-01	CUSHION (TU)	
* 19	A-3326-274-A	MAIN BOARD, COMPLETE (C7500R: TYPE A)	
* 19	A-3326-278-A	MAIN BOARD, COMPLETE (C7500R: TYPE B)	
* 19	A-3326-280-A	MAIN BOARD, COMPLETE (C7500R: TYPE C)	
* 19	A-3326-284-A	MAIN BOARD, COMPLETE (C7500RX: TYPE A)	
* 19	A-3326-288-A	MAIN BOARD, COMPLETE (C7500RX: TYPE B)	
* 19	A-3326-290-A	MAIN BOARD, COMPLETE (C7500RX: TYPE C)	
* 20	3-040-998-01	BRACKET (IC)	
* 21	3-041-262-01	HEAT SINK (REG/XR)	
* 22	3-040-996-22	HEAT SINK (2P)	
* 23	3-046-991-01	SPACER (COVER R)	
* 24	3-046-990-01	SPACER (COVER L)	
F1	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) (10A)	
TUX1	A-3220-738-A	FM/AM TUNER UNIT (TUX-020)	

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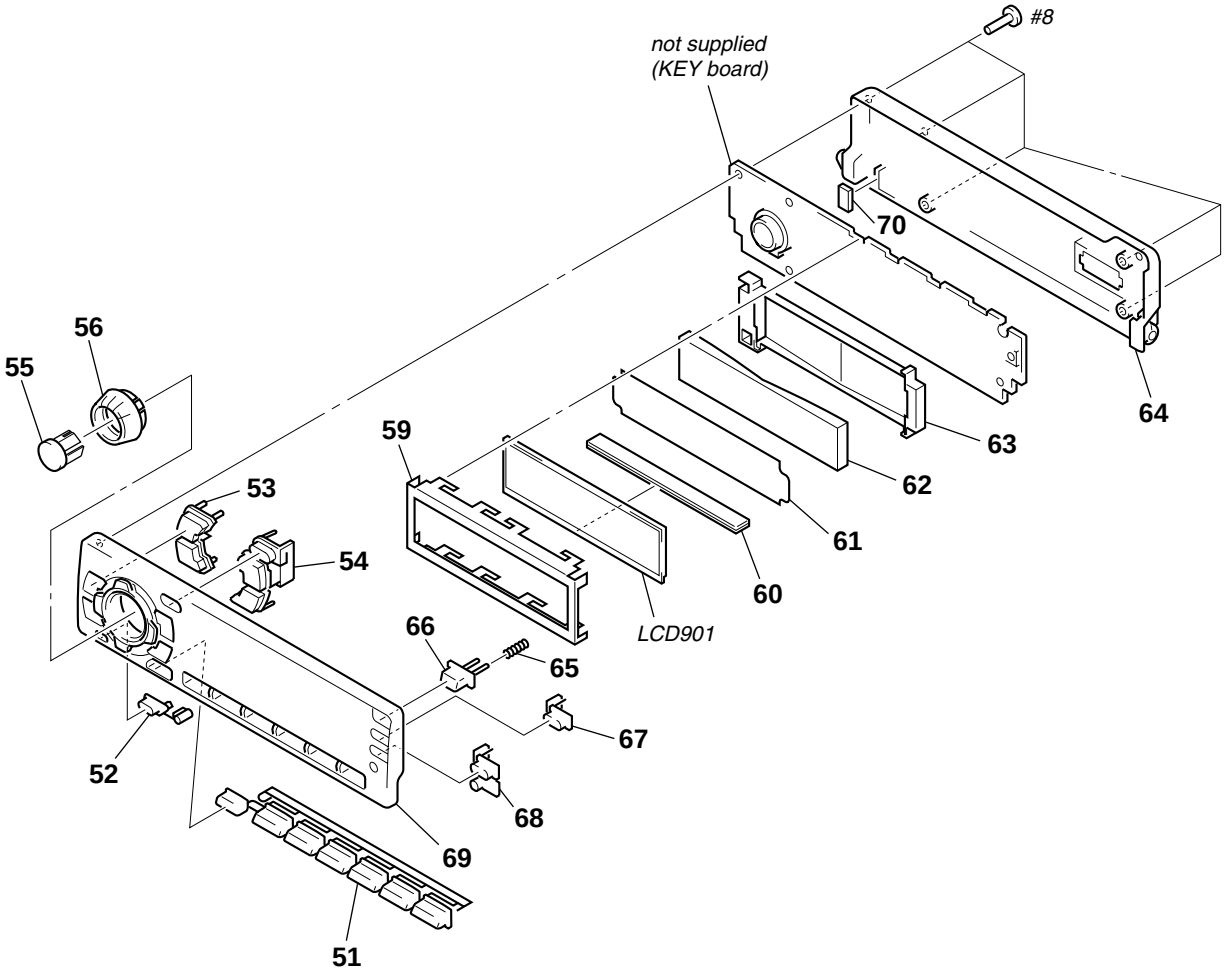
(2) FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
51	3-041-004-01	BUTTON (1-6/D) (◀I▶ MODE. 1. 2. 3. 4. 5. 6)	
52	3-040-987-02	BUTTON (OFF)	
53	3-040-986-01	BUTTON (MENU/SOUND)	
54	3-041-003-01	BUTTON (LIST/ENTER) (DSPL. LIST. ENTER)	
55	3-040-980-01	BUTTON (SOURCE)	
56	3-042-458-01	KNOB (VOL-DSO)	
* 59	3-040-997-01	PLATE (LCD), GROUND	
60	1-694-660-11	CONDUCTIVE BOARD, CONNECTION	
* 61	3-041-371-02	SHEET (REFLECTOR)	
* 62	3-040-993-01	PLATE (LCD), LIGHT GUIDE	
* 63	3-040-992-02	HOLDER (LCD)	

Ref. No.	Part No.	Description	Remark
64	X-3378-398-1	PANEL ASSY, FRONT BACK	
65	3-037-267-01	SPRING (OPEN)	
66	3-040-989-01	BUTTON (OPEN)	
67	3-041-005-01	BUTTON (D) (DSO)	
68	3-041-006-01	BUTTON (AF/TA)	
69	X-3378-571-1	PANEL SUB ASSY (C7500RX)	
69	X-3378-583-1	PANEL SUB ASSY (C7500R)	
70	3-045-596-01	CUSHION (OFF)	
LCD901	1-803-915-11	DISPLAY PANEL, LIQUID CRYSTAL (C7500R)	
LCD901	1-803-915-21	DISPLAY PANEL, LIQUID CRYSTAL (C7500RX)	

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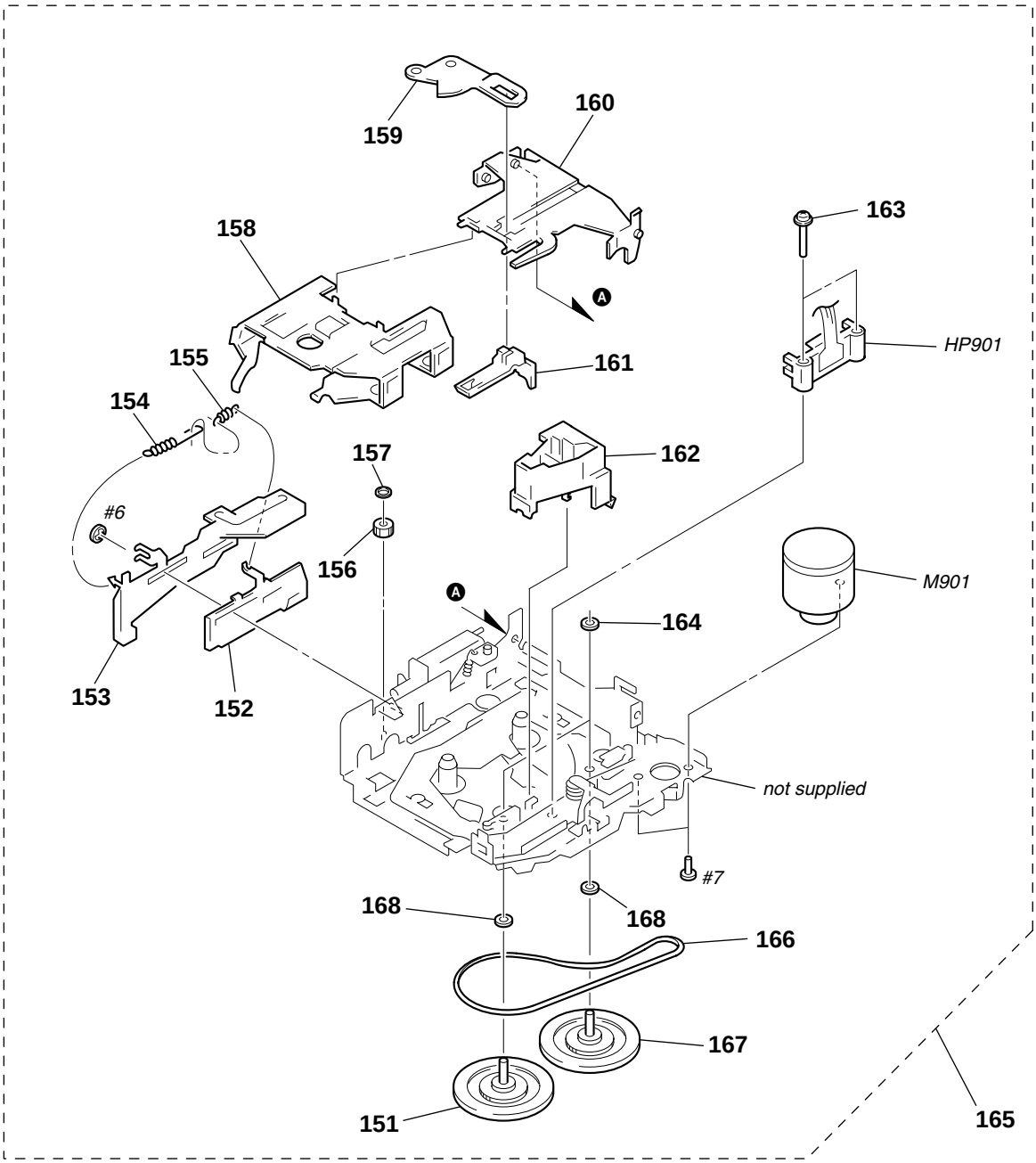
(3) MECHANISM DECK SECTION (MG-25G-136)



Ref. No.	Part No.	Description	Remark
151	A-3291-667-A	CLUTCH (FR) ASSY	
* 152	3-019-130-01	LEVER (LDG-A)	
* 153	3-019-131-01	LEVER (LDG-B)	
154	3-020-539-01	SPRING (LD-1), TENSION	
155	3-020-540-01	SPRING (LD-2), TENSION	
156	3-020-542-01	GEAR (LOADING FT)	
157	3-341-753-11	WASHER, POLYETHYLENE	
158	3-020-533-01	HOUSING	
* 159	3-020-532-01	ARM (SUCTION)	
160	3-020-534-01	HANGER	

Ref. No.	Part No.	Description	Remark
161	3-933-346-01	CATCHER	
162	3-933-344-01	GUIDE (C)	
163	3-014-798-01	SCREW (HEAD), SPECIAL	
164	3-364-151-01	WASHER	
165	A-3220-610-A	MECHANISM DECK ASSY	
166	3-017-302-01	BELT (25)	
167	3-936-853-01	FLYWHEEL (F)	
168	3-701-437-21	WASHER	
HP901	1-500-196-21	HEAD, MAGNETIC (PLAYBACK)	
M901	A-3291-665-A	MOTOR ASSY, MAIN (CAPSTAN/REEL)	

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SECTION 9
ELECTRICAL PARTS LIST

KEY

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Please refer to servicing notes (page 2) for system of TYPE A, B and C.
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .
- CAPACITORS
  uF: µF
- COILS
  uH: µH

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description	Remark
		KEY BOARD	
		**********	
	1-694-660-11	CONDUCTIVE BOARD, CONNECTION	
*	3-040-992-02	HOLDER (LCD)	
*	3-040-993-01	PLATE (LCD), LIGHT GUIDE	
*	3-040-997-01	PLATE (LCD), GROUND	
*	3-041-371-02	SHEET (REFLECTOR)	
		< CAPACITOR >	
C951	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C952	1-163-037-11	CERAMIC CHIP 0.022uF 10% 25V	
C953	1-163-137-00	CERAMIC CHIP 680PF 5% 50V	
C956	1-164-489-11	CERAMIC CHIP 0.22uF 10% 16V	
C960	1-163-037-11	CERAMIC CHIP 0.022uF 10% 25V	
C961	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C962	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C963	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
		< CONNECTOR >	
CN901	1-794-065-21	PLUG, CONNECTOR 14P	
		< DIODE >	
D901	8-719-423-32	DIODE MA8120-M-TX	
D902	8-719-422-64	DIODE MA8062-M-TX	
D903	8-719-422-64	DIODE MA8062-M-TX	
D904	8-719-422-64	DIODE MA8062-M-TX	
D951	8-719-420-90	DIODE MA8051-M-TX	
D952	8-719-422-64	DIODE MA8062-M-TX	
D954	8-719-422-89	DIODE MA8082-H-TX	
		< IC >	
IC901	8-759-653-26	IC LC75878W	
IC951	8-749-012-25	IC RS-170-TU	
		< LIQUID CRYSTAL DISPLAY >	
LCD901	1-803-915-11	DISPLAY PANEL, LIQUID CRYSTAL (C7500R)	
LCD901	1-803-915-21	DISPLAY PANEL, LIQUID CRYSTAL (C7500RX)	
		< LED >	
LED901	8-719-026-38	LED CL-150SR-CD-T (ILLUMINATION)	(C7500RX)
LED901	8-719-064-68	LED LBT676-J2/K1/K2 (ILLUMINATION)	(C7500R)
LED902	8-719-026-38	LED CL-150SR-CD-T (ILLUMINATION)	(C7500RX)
LED902	8-719-064-68	LED LBT676-J2/K1/K2 (ILLUMINATION)	(C7500R)
LED903	8-719-026-38	LED CL-150SR-CD-T (ILLUMINATION)	(C7500RX)
LED903	8-719-064-68	LED LBT676-J2/K1/K2 (ILLUMINATION)	(C7500R)
LED904	8-719-026-38	LED CL-150SR-CD-T (ILLUMINATION)	(C7500RX)
LED904	8-719-064-68	LED LBT676-J2/K1/K2 (ILLUMINATION)	(C7500R)
LED910	8-719-078-19	LED LWA673-R1S2*1 (LCD BACK LIGHT)	
LED911	8-719-078-19	LED LWA673-R1S2*1 (LCD BACK LIGHT)	
LED912	8-719-078-19	LED LWA673-R1S2*1 (LCD BACK LIGHT)	
LED913	8-719-078-19	LED LWA673-R1S2*1 (LCD BACK LIGHT)	
LED914	8-719-078-19	LED LWA673-R1S2*1 (LCD BACK LIGHT)	
LED915	8-719-078-19	LED LWA673-R1S2*1 (LCD BACK LIGHT)	
		< SWITCH >	
LSW901	1-771-610-11	SWITCH, TACTILE (WITH LED) (OFF)	(C7500R)
LSW901	1-771-883-11	SWITCH, TACTILE (WITH LED) (OFF)	(C7500RX)
LSW902	1-762-620-21	SWITCH, KEY BOARD (WITH LED) (SOURCE)	(C7500R)
LSW902	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (SOURCE)	(C7500RX)
LSW903	1-762-620-21	SWITCH, KEY BOARD (WITH LED) (SOUND EQ)	(C7500R)
LSW903	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (SOUND EQ)	(C7500RX)
LSW904	1-762-620-21	SWITCH, KEY BOARD (WITH LED) (MENU)	(C7500R)
LSW904	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (MENU)	(C7500RX)
LSW905	1-762-620-21	SWITCH, KEY BOARD (WITH LED) (PTY DSPL)	(C7500R)
LSW905	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (PTY DSPL)	(C7500RX)
LSW906	1-762-620-21	SWITCH, KEY BOARD (WITH LED) (LIST)	(C7500R)
LSW906	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (LIST)	(C7500RX)
LSW907	1-762-620-21	SWITCH, KEY BOARD (WITH LED) (ENTER)	(C7500R)
LSW907	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (ENTER)	(C7500RX)

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KEY

Ref. No.	Part No.	Description	Remark
LSW908	1-771-610-11	SWITCH, TACTILE (WITH LED) (◀I▶ MODE)	(C7500R)
LSW908	1-771-883-11	SWITCH, TACTILE (WITH LED) (◀I▶ MODE)	(C7500RX)
LSW909	1-762-737-11	SWITCH, KEYBOARD (LED) (DSO)	
LSW910	1-762-620-21	SWITCH, KEY BOARD (WITH LED) (TA)	(C7500R)
LSW910	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (TA)	(C7500RX)
LSW911	1-762-620-21	SWITCH, KEY BOARD (WITH LED) (AF)	(C7500R)
LSW911	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (AF)	(C7500RX)
LSW912	1-771-610-11	SWITCH, TACTILE (WITH LED) (6)	(C7500R)
LSW912	1-771-883-11	SWITCH, TACTILE (WITH LED) (6)	(C7500RX)
LSW913	1-771-610-11	SWITCH, TACTILE (WITH LED) (5)	(C7500R)
LSW913	1-771-883-11	SWITCH, TACTILE (WITH LED) (5)	(C7500RX)
LSW914	1-771-610-11	SWITCH, TACTILE (WITH LED) (4)	(C7500R)
LSW914	1-771-883-11	SWITCH, TACTILE (WITH LED) (4)	(C7500RX)
LSW915	1-771-610-11	SWITCH, TACTILE (WITH LED) (3)	(C7500R)
LSW915	1-771-883-11	SWITCH, TACTILE (WITH LED) (3)	(C7500RX)
LSW916	1-771-610-11	SWITCH, TACTILE (WITH LED) (SHUF 2)	(C7500R)
LSW916	1-771-883-11	SWITCH, TACTILE (WITH LED) (SHUF 2)	(C7500RX)
LSW917	1-771-610-11	SWITCH, TACT (WITH LED) (REP 1)	(C7500R)
LSW917	1-771-883-11	SWITCH, TACTILE (WITH LED) (REP 1)	(C7500RX)

< TRANSISTOR >

Q901	8-729-904-75	TRANSISTOR	DTD114EK-T-146	(C7500R)
Q902	8-729-904-75	TRANSISTOR	DTD114EK-T-146	(C7500R)
Q903	8-729-904-75	TRANSISTOR	DTD114EK-T-146	

< RESISTOR >

R901	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R902	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R903	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R904	1-216-651-11	METAL CHIP	1K	0.5%	1/10W
R905	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R906	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R907	1-216-659-11	METAL CHIP	2.2K	0.5%	1/10W
R908	1-216-663-11	METAL CHIP	3.3K	0.5%	1/10W
R909	1-216-667-11	METAL CHIP	4.7K	0.5%	1/10W
R910	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R911	1-208-806-11	RES-CHIP	10K	2%	1/10W
R912	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R913	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R914	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R915	1-216-651-11	METAL CHIP	1K	0.5%	1/10W
R916	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R917	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R918	1-216-659-11	METAL CHIP	2.2K	0.5%	1/10W
R919	1-216-663-11	METAL CHIP	3.3K	0.5%	1/10W
R920	1-216-667-11	METAL CHIP	4.7K	0.5%	1/10W
R921	1-216-810-11	METAL CHIP	120	5%	1/16W (C7500RX)
R921	1-216-811-11	METAL CHIP	150	5%	1/16W (C7500R)
R922	1-216-807-11	METAL CHIP	68	5%	1/16W (C7500R)
R923	1-216-811-11	METAL CHIP	150	5%	1/16W (C7500R)
R923	1-216-812-11	METAL CHIP	180	5%	1/16W (C7500RX)
R924	1-216-807-11	METAL CHIP	68	5%	1/16W (C7500R)
R925	1-216-811-11	METAL CHIP	150	5%	1/16W (C7500R)
R925	1-216-812-11	METAL CHIP	180	5%	1/16W (C7500RX)
R926	1-216-807-11	METAL CHIP	68	5%	1/16W (C7500R)
R927	1-216-029-00	METAL CHIP	150	5%	1/10W (C7500R)
R927	1-216-031-00	METAL CHIP	180	5%	1/10W (C7500RX)
R928	1-216-021-00	METAL CHIP	68	5%	1/10W (C7500R)
R931	1-216-813-11	METAL CHIP	220	5%	1/16W
R932	1-216-813-11	METAL CHIP	220	5%	1/16W
R933	1-216-813-11	METAL CHIP	220	5%	1/16W (C7500R)
R934	1-216-813-11	METAL CHIP	220	5%	1/16W (C7500R)
R938	1-216-809-11	METAL CHIP	100	5%	1/16W
R939	1-216-813-11	METAL CHIP	220	5%	1/16W (C7500RX)
R940	1-216-821-11	METAL CHIP	1K	5%	1/16W (C7500RX)
R951	1-216-819-11	METAL CHIP	680	5%	1/16W
R952	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R953	1-216-857-11	METAL CHIP	1M	5%	1/16W
R954	1-216-821-11	METAL CHIP	1K	5%	1/16W
R955	1-216-049-11	RES-CHIP	1K	5%	1/10W
R956	1-216-049-11	RES-CHIP	1K	5%	1/10W
R957	1-216-841-11	METAL CHIP	47K	5%	1/16W
R958	1-216-037-00	METAL CHIP	330	5%	1/10W
R960	1-216-041-00	METAL CHIP	470	5%	1/10W
R961	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R962	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R963	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R964	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R970	1-216-815-11	METAL CHIP	330	5%	1/16W
R971	1-216-815-11	METAL CHIP	330	5%	1/16W
R972	1-216-041-00	METAL CHIP	470	5%	1/10W
R973	1-216-815-11	METAL CHIP	330	5%	1/16W
R975	1-216-864-11	METAL CHIP	0	5%	1/16W
R976	1-216-815-11	METAL CHIP	330	5%	1/16W
R977	1-216-815-11	METAL CHIP	330	5%	1/16W
R978	1-216-815-11	METAL CHIP	330	5%	1/16W
R999	1-216-864-11	METAL CHIP	0	5%	1/16W (C7500RX)

< ROTARY ENCODER >

RE901	1-475-014-11	ENCODER, ROTARY (VOLUME/BALANCE/FADER CONTROL)	

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Ref. No.	Part No.	Description			Remark
		< SWITCH >			
S901	1-771-884-11	SWITCH, TACTILE (WITH LED) (SEEK/AMS – ⏮ ◀◀)			
S902	1-771-884-11	SWITCH, TACTILE (WITH LED) (DISC +, PRST +)			
S903	1-771-884-11	SWITCH, TACTILE (WITH LED) (SEEK/AMS + ▶▶⏭)			
S904	1-771-884-11	SWITCH, TACTILE (WITH LED) (DISC –, PRST –)			
**********					
*	A-3326-274-A	MAIN BOARD, COMPLETE (C7500R: TYPE A)			
*	A-3326-278-A	MAIN BOARD, COMPLETE (C7500R: TYPE B)			
*	A-3326-280-A	MAIN BOARD, COMPLETE (C7500R: TYPE C)			
*	A-3326-284-A	MAIN BOARD, COMPLETE (C7500RX: TYPE A)			
*	A-3326-288-A	MAIN BOARD, COMPLETE (C7500RX: TYPE B)			
*	A-3326-290-A	MAIN BOARD, COMPLETE (C7500RX: TYPE C)			
		**********			
*	3-040-996-22	HEAT SINK (2P)			
*	3-040-998-01	BRACKET (IC)			
*	3-041-262-01	HEAT SINK (REG/XR)			
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S			
	7-685-793-09	SCREW +PTT 2.6X8 (S)			
	7-685-795-09	SCREW +PTT 2.6X12 (S)			
		< CAPACITOR >			
C10	1-163-233-11	CERAMIC CHIP	18PF	5%	50V
C12	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C13	1-124-589-11	ELECT	47uF	20%	16V
C15	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C19	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C21	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C22	1-104-664-11	ELECT	47uF	20%	16V
C23	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C24	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C25	1-124-233-11	ELECT	10uF	20%	16V
C26	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C27	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C28	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C30	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C31	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C32	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C33	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C35	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C36	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C37	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C39	1-126-176-11	ELECT	220uF	20%	10V
C40	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C41	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C42	1-117-370-11	CERAMIC CHIP	10uF		10V
C43	1-117-370-11	CERAMIC CHIP	10uF		10V
C44	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C45	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C46	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C47	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C48	1-126-160-11	ELECT	1uF	20%	50V
C49	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C50	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C51	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C52	1-163-229-11	CERAMIC CHIP	12PF	5%	50V
C53	1-163-229-11	CERAMIC CHIP	12PF	5%	50V
C54	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C55	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C58	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C59	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C60	1-164-739-11	CERAMIC CHIP	560PF	5%	50V
C61	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C62	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C63	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C64	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C65	1-124-233-11	ELECT	10uF	20%	16V
C67	1-124-589-11	ELECT	47uF	20%	16V
C71	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C72	1-104-664-11	ELECT	47uF	20%	16V
C81	1-124-589-11	ELECT	47uF	20%	16V
C85	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C91	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C92	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C93	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C94	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C95	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C96	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C97	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C101	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C102	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C103	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C104	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C105	1-124-233-11	ELECT	10uF	20%	16V
C106	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C107	1-163-091-00	CERAMIC CHIP	8PF		50V
C108	1-163-091-00	CERAMIC CHIP	8PF		50V
C110	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C111	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C112	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C113	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C114	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C115	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C120	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C121	1-124-233-11	ELECT	10uF	20%	16V
C122	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C123	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C124	1-124-584-00	ELECT	100uF	20%	10V
C125	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C130	1-124-242-00	ELECT	33uF	20%	25V
C131	1-124-584-00	ELECT	100uF	20%	10V
C132	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C133	1-124-229-00	ELECT	33uF	20%	10V
C140	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C141	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C142	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C143	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C144	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C145	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C146	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C147	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C170	1-124-589-11	ELECT	47uF	20%	16V

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Ref. No.	Part No.	Description			Remark
C171	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C172	1-131-353-00	TANTALUM	10uF	10%	35V
C174	1-131-353-00	TANTALUM	10uF	10%	35V
C201	1-124-234-00	ELECT	22uF	20%	16V
C204	1-117-370-11	CERAMIC CHIP	10uF		10V
C205	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C206	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C207	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C210	1-126-934-11	ELECT	220uF	20%	16V
C230	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C231	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C232	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C233	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C234	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C235	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C236	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C237	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C238	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C239	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C240	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C241	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C242	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C243	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C244	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C245	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C246	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C247	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C248	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C249	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C250	1-124-234-00	ELECT	22uF	20%	16V
C251	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C252	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C253	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C254	1-131-353-00	TANTALUM	10uF	10%	35V
C255	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C256	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C257	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C258	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C259	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C311	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C312	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C314	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V
C316	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C317	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C318	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C331	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C332	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C334	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V
C336	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C337	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C338	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C352	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C353	1-124-234-00	ELECT	22uF	20%	16V
C354	1-124-234-00	ELECT	22uF	20%	16V
C360	1-163-137-00	CERAMIC CHIP	680PF	5%	50V
C361	1-115-412-11	CERAMIC CHIP	680PF	5%	25V
C362	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C363	1-163-137-00	CERAMIC CHIP	680PF	5%	50V
C364	1-163-137-00	CERAMIC CHIP	680PF	5%	50V
C365	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C366	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C371	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C411	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C412	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C414	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V
C416	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C417	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C418	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C431	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C432	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C434	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V
C436	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C437	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C438	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C452	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C454	1-124-234-00	ELECT	22uF	20%	16V
C460	1-115-412-11	CERAMIC CHIP	680PF	5%	25V
C461	1-163-137-00	CERAMIC CHIP	680PF	5%	50V
C462	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C463	1-115-412-11	CERAMIC CHIP	680PF	5%	25V
C464	1-163-137-00	CERAMIC CHIP	680PF	5%	50V
C465	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C466	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C471	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C500	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C501	1-124-229-00	ELECT	33uF	20%	10V
C521	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V (C7500RX)
C522	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V (C7500RX)
C531	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C532	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C533	1-124-589-11	ELECT	47uF	20%	16V
C540	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C551	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C552	1-126-933-11	ELECT	100uF	20%	16V
C553	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C561	1-128-057-11	ELECT	330uF	20%	6.3V
C562	1-125-710-11	DOUBLE LAYER	0.1F		5.5V
C563	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C571	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C572	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C580	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C581	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C582	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C600	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C602	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C603	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C604	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C605	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C606	1-124-584-00	ELECT	100uF	20%	10V
C608	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C610	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C611	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C612	1-164-315-11	CERAMIC CHIP	470PF	5%	50V

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Ref. No.	Part No.	Description			Remark
C613	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C614	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C616	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C617	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C620	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C650	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C661	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C701	1-126-933-11	ELECT	100uF	20%	16V
C703	1-124-233-11	ELECT	10uF	20%	16V
C704	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C705	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C707	1-124-589-11	ELECT	47uF	20%	16V
C708	1-164-505-11	CERAMIC CHIP	2.2uF	10%	16V
C709	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C710	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C711	1-136-227-11	MYLAR	0.001uF	5%	50V
C712	1-136-227-11	MYLAR	0.001uF	5%	50V
C713	1-107-885-31	ELECT	3300uF	20%	16V
C714	1-136-165-00	FILM	0.1uF	5%	50V (C7500RX)
C715	1-126-163-11	ELECT	4.7uF	20%	50V
C716	1-126-163-11	ELECT	4.7uF	20%	50V
C717	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C800	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C801	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C802	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C803	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C804	1-124-589-11	ELECT	47uF	20%	16V
C805	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C807	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C820	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C821	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C822	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C823	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C824	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
		< CONNECTOR >			
CN13	1-774-700-11	JACK, PIN 6P (BUS AUDIO IN, AUDIO OUT FRONT/REAR)			
* CN201	1-506-995-11	PIN, CONNECTOR (PC BOARD) 13P			
CN250	1-766-260-11	CONNECTOR, FFC/FPC (ZIF) 7P			
CN500	1-580-907-31	PLUG, CONNECTOR (BUS CONTROL IN)			
CN580	1-784-456-11	CONNECTOR, FFC/FPC 14P			
CN700	1-774-701-11	PIN, CONNECTOR 16P (POWER)			
		< DIODE >			
D20	8-719-422-12	DIODE	MA8039-TX		
D52	8-719-073-01	DIODE	MA111-TX		
D70	8-719-977-03	DIODE	DTZ5.6B		
D170	8-719-073-01	DIODE	MA111-TX		
D201	8-719-053-18	DIODE	1SR154-400TE-25		
D202	8-719-422-97	DIODE	MA8091-M		
D500	8-719-057-80	DIODE	MA8180-M-TX		
D501	8-719-073-01	DIODE	MA111-TX		
D502	8-719-073-01	DIODE	MA111-TX		
D503	8-719-057-80	DIODE	MA8180-M-TX (C7500RX)		
D504	8-719-057-80	DIODE	MA8180-M-TX (C7500RX)		
D505	8-719-072-70	DIODE	MA2ZD14001S0		

Ref. No.	Part No.	Description	Remark
D506	8-719-057-80	DIODE MA8180-M-TX (C7500RX)	
D507	8-719-977-12	DIODE DTZ5.6B	
D508	8-719-073-01	DIODE MA111-TX	
D520	8-719-073-01	DIODE MA111-TX	
D521	8-719-977-12	DIODE DTZ5.6B (C7500RX)	
D522	8-719-977-12	DIODE DTZ5.6B (C7500RX)	
D530	8-719-073-01	DIODE MA111-TX	
D551	8-719-067-56	DIODE MA112-TX	
D553	8-719-067-56	DIODE MA112-TX	
D554	8-719-073-01	DIODE MA111-TX	
D555	8-719-073-01	DIODE MA111-TX	
D580	8-719-400-20	DIODE MA152WA-TX	
D581	8-719-423-32	DIODE MA8120-M	
D582	8-719-977-12	DIODE DTZ5.6B	
D583	8-719-977-12	DIODE DTZ5.6B	
D584	8-719-977-12	DIODE DTZ5.6B	
D585	8-719-977-12	DIODE DTZ5.6B	
D586	8-719-977-12	DIODE DTZ5.6B	
D587	8-719-977-12	DIODE DTZ5.6B	
D588	8-719-977-12	DIODE DTZ5.6B	
D589	8-719-977-12	DIODE DTZ5.6B	
D590	8-719-423-23	DIODE MA8110-M	
D591	8-719-073-01	DIODE MA111-TX	
D592	8-719-073-01	DIODE MA111-TX	
D593	8-719-977-12	DIODE DTZ5.6B	
D594	8-719-977-12	DIODE DTZ5.6B	
D595	8-719-423-32	DIODE MA8120-M	
D601	8-719-420-90	DIODE MA8051-M	
D661	8-719-073-01	DIODE MA111-TX	
D662	8-719-073-01	DIODE MA111-TX	
D700	8-719-073-01	DIODE MA111-TX	
D702	8-719-801-78	DIODE ISS184	
D703	8-719-977-12	DIODE DTZ5.6B	
D704	8-719-801-78	DIODE ISS184	
D705	8-719-422-76	DIODE MA8075-M	
D706	8-719-422-12	DIODE MA8039	
D707	8-719-422-12	DIODE MA8039	
D708	8-719-422-64	DIODE MA8062-M	
D709	8-719-073-01	DIODE MA111-TX	
D711	8-719-079-97	DIODE CRZ22 (TE85L.SONY)	
D712	8-719-079-97	DIODE CRZ22 (TE85L.SONY)	
D713	8-719-079-97	DIODE CRZ22 (TE85L.SONY)	
D714	8-719-079-97	DIODE CRZ22 (TE85L.SONY)	
D715	8-719-079-97	DIODE CRZ22 (TE85L.SONY)	
D716	8-719-079-97	DIODE CRZ22 (TE85L.SONY)	
D717	8-719-079-97	DIODE CRZ22 (TE85L.SONY)	
D718	8-719-079-97	DIODE CRZ22 (TE85L.SONY)	
D722	8-719-053-18	DIODE 1SR154-400TE-25	
D723	8-719-053-18	DIODE 1SR154-400TE-25	
D724	8-719-057-80	DIODE MA8180-M-TX (C7500RX)	
D725	8-719-977-03	DIODE DTZ5.6B	
D730	8-719-049-38	DIODE 1N5404TU	
D800	8-719-073-01	DIODE MA111-TX	
D801	8-719-400-20	DIODE MA152WA	
		< FERRITE BEAD >	
FB101	1-469-152-11	FERRITE 0uH	

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MAIN

Ref. No.	Part No.	Description			Remark
FB103	1-469-152-11	FERRITE	0uH		
FB104	1-469-152-11	FERRITE	0uH		
FB601	1-469-152-11	FERRITE	0uH		
FB602	1-469-152-11	FERRITE	0uH		
FB603	1-469-152-11	FERRITE	0uH		
FB604	1-469-152-11	FERRITE	0uH		
FB605	1-469-152-11	FERRITE	0uH		
		< IC >			
IC10	8-759-653-27	IC TDA7402TR			
IC41	8-759-909-71	IC BA4558F			
IC50	8-759-650-68	IC SAA6588T/V2-118			
IC90	8-759-909-71	IC BA4558F			
IC100	8-752-402-48	IC CXD2726Q-4			
IC130	8-759-641-14	IC NJM2380U (TE1)			
IC170	8-759-652-44	IC BA033ST-V5			
IC201	8-759-527-33	IC LB1930M-TLM			
IC250	8-752-079-79	IC CXA2510AQ-T4			
IC300	8-759-909-71	IC BA4558F			
IC301	8-759-909-71	IC BA4558F			
IC400	8-759-909-71	IC BA4558F			
IC401	8-759-909-71	IC BA4558F			
IC500	8-759-449-89	IC BA8270F-E2			
IC530	8-759-564-82	IC BA09ST-V5			
IC550	8-759-540-27	IC TA78DL06AS			
IC560	8-759-574-61	IC XC61AN4302MR			
IC570	8-759-495-76	IC RN5VD33AA-TL			
IC600	8-759-665-95	IC MB90574BPMT-G-265-BND			
IC700	8-759-663-88	IC TA8268H			
IC800	8-759-672-71	IC HD6432355A21F			
IC801	8-759-277-63	IC TC7W14FU (TE12R)			
		< JACK >			
J1	1-764-808-21	JACK (ANT) (FM/AM ANTENNA)			
J520	1-566-822-41	JACK (REMOTE IN)			
		< SHORT >			
JC10	1-216-295-00	SHORT	0		
JC101	1-216-295-00	SHORT	0		
JC501	1-216-295-00	SHORT	0		
JC602	1-216-295-00	SHORT	0		
JC603	1-216-295-00	SHORT	0		
JC701	1-216-295-00	SHORT	0		
		< COIL >			
L50	1-410-196-11	INDUCTOR CHIP	2.2uH		
L51	1-216-150-00	RES-CHIP	10	5%	1/8W
L130	1-410-204-31	INDUCTOR CHIP	10uH		
L170	1-410-946-31	INDUCTOR CHIP	22uH		
L701	1-419-476-11	INDUCTOR	250uH		
L800	1-410-204-31	INDUCTOR CHIP	10uH		
		< TRANSISTOR >			
Q11	8-729-120-28	TRANSISTOR	2SC2412K-T-146-QR		
Q20	8-729-020-67	TRANSISTOR	XN1A312-TX		
Q21	8-729-920-21	TRANSISTOR	DTC314TK-T-146		
Q22	8-729-920-21	TRANSISTOR	DTC314TK-T-146		

Ref. No.	Part No.	Description			Remark
Q50	8-729-120-28	TRANSISTOR	2SC2412K-T-146-QR		
Q70	8-729-106-68	TRANSISTOR	2SD1664-T100-R		
Q81	8-729-900-53	TRANSISTOR	DTC114EKA-T146		
Q82	8-729-106-60	TRANSISTOR	2SB1132-T100-R		
Q130	8-729-106-68	TRANSISTOR	2SD1664-T100-R		
Q202	8-729-020-67	TRANSISTOR	XN1A312-TX		
Q203	8-729-931-13	TRANSISTOR	2SD1858-P-TV2		
Q204	8-729-106-60	TRANSISTOR	2SB1132-T100-R		
Q205	8-729-900-53	TRANSISTOR	DTC114EKA-T146		
Q311	8-729-920-21	TRANSISTOR	DTC314TK-T-146		
Q312	8-729-920-21	TRANSISTOR	DTC314TK-T-146		
Q331	8-729-920-21	TRANSISTOR	DTC314TK-T-146		
Q332	8-729-920-21	TRANSISTOR	DTC314TK-T-146		
Q406	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
Q407	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
Q411	8-729-920-21	TRANSISTOR	DTC314TK-T-146		
Q412	8-729-920-21	TRANSISTOR	DTC314TK-T-146		
Q431	8-729-920-21	TRANSISTOR	DTC314TK-T-146		
Q432	8-729-920-21	TRANSISTOR	DTC314TK-T-146		
Q500	8-729-900-53	TRANSISTOR	DTC114EKA-T146		
Q501	8-729-120-28	TRANSISTOR	2SC2412K-T-146-QR		
Q502	8-729-216-22	TRANSISTOR	2SA1037K-T-146-R		
Q503	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
Q580	8-729-020-67	TRANSISTOR	XN1A312-TX		
Q581	8-729-020-67	TRANSISTOR	XN1A312-TX		
Q582	8-729-423-99	TRANSISTOR	2SD2137-OP-TA		
Q583	8-729-021-94	FET	2SK1657-T1B		
Q600	8-729-120-28	TRANSISTOR	2SC2412K-T-146-QR		
Q601	8-729-900-53	TRANSISTOR	DTC114EKA-T146		
Q640	8-729-120-28	TRANSISTOR	2SC2412K-T-146-QR		
Q660	8-729-120-28	TRANSISTOR	2SC2412K-T-146-QR		
Q700	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
Q701	8-729-021-94	FET	2SK1657-T1B		
Q704	8-729-900-53	TRANSISTOR	DTC114EKA-T146		
Q705	8-729-021-94	FET	2SK1657-T1B		
Q710	8-729-821-63	TRANSISTOR	2SB1203T-TL		
Q711	8-729-900-53	TRANSISTOR	DTC114EKA-T146		
Q720	8-729-821-63	TRANSISTOR	2SB1203T-TL		
Q721	8-729-900-53	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R10	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R11	1-216-295-00	SHORT	0		
R12	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R13	1-216-295-00	SHORT	0		
R14	1-216-809-11	METAL CHIP	100	5%	1/16W
R15	1-216-809-11	METAL CHIP	100	5%	1/16W
R16	1-216-295-00	SHORT	0		
R17	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R18	1-216-295-00	SHORT	0		
R19	1-216-295-00	SHORT	0		
R20	1-216-037-00	METAL CHIP	330	5%	1/10W
R21	1-216-839-11	METAL CHIP	33K	5%	1/16W
R22	1-216-841-11	METAL CHIP	47K	5%	1/16W
R23	1-216-819-11	METAL CHIP	680	5%	1/16W
R25	1-216-089-00	RES-CHIP	47K	5%	1/10W
R26	1-216-809-11	METAL CHIP	100	5%	1/16W

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Ref. No.	Part No.	Description			Remark
R27	1-216-809-11	METAL CHIP	100	5%	1/16W
R28	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R29	1-216-001-00	METAL CHIP	10	5%	1/10W
R30	1-216-295-00	SHORT	0		
R41	1-216-001-00	METAL CHIP	10	5%	1/10W
R50	1-216-113-00	METAL CHIP	470K	5%	1/10W
R51	1-216-821-11	METAL CHIP	1K	5%	1/16W
R52	1-216-061-11	METAL CHIP	3.3K	5%	1/10W
R53	1-216-817-11	METAL CHIP	470	5%	1/16W
R54	1-216-809-11	METAL CHIP	100	5%	1/16W
R55	1-216-809-11	METAL CHIP	100	5%	1/16W
R56	1-216-001-00	METAL CHIP	10	5%	1/10W
R57	1-216-845-11	METAL CHIP	100K	5%	1/16W
R58	1-216-845-11	METAL CHIP	100K	5%	1/16W
R71	1-216-821-11	METAL CHIP	1K	5%	1/16W
R73	1-216-864-11	METAL CHIP	0	5%	1/16W
R81	1-216-073-00	METAL CHIP	10K	5%	1/10W
R82	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R91	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R92	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R93	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R94	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R95	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R96	1-216-845-11	METAL CHIP	100K	5%	1/16W
R97	1-216-809-11	METAL CHIP	100	5%	1/16W
R104	1-216-840-11	METAL CHIP	39K	5%	1/16W
R105	1-216-083-00	METAL CHIP	27K	5%	1/10W
R106	1-216-083-00	METAL CHIP	27K	5%	1/10W
R107	1-216-129-00	METAL CHIP	2.2M	5%	1/10W
R108	1-216-840-11	METAL CHIP	39K	5%	1/16W
R109	1-216-083-00	METAL CHIP	27K	5%	1/10W
R110	1-216-083-00	METAL CHIP	27K	5%	1/10W
R111	1-216-125-00	METAL CHIP	1.5M	5%	1/10W
R112	1-216-049-11	RES-CHIP	1K	5%	1/10W
R113	1-216-049-11	RES-CHIP	1K	5%	1/10W
R114	1-216-025-00	RES-CHIP	100	5%	1/10W
R115	1-216-025-00	RES-CHIP	100	5%	1/10W
R116	1-216-049-11	RES-CHIP	1K	5%	1/10W
R117	1-216-049-11	RES-CHIP	1K	5%	1/10W
R118	1-216-097-00	RES-CHIP	100K	5%	1/10W
R119	1-216-073-00	METAL CHIP	10K	5%	1/10W
R120	1-216-049-11	RES-CHIP	1K	5%	1/10W
R121	1-216-097-00	RES-CHIP	100K	5%	1/10W
R122	1-216-097-00	RES-CHIP	100K	5%	1/10W
R123	1-216-097-00	RES-CHIP	100K	5%	1/10W
R124	1-216-295-00	SHORT	0		
R125	1-216-037-00	METAL CHIP	330	5%	1/10W
R126	1-216-025-00	RES-CHIP	100	5%	1/10W
R131	1-216-134-00	RES-CHIP	2.2	5%	1/8W
R132	1-216-033-00	METAL CHIP	220	5%	1/10W
R133	1-216-033-00	METAL CHIP	220	5%	1/10W
R134	1-216-045-00	METAL CHIP	680	5%	1/10W
R135	1-216-025-00	RES-CHIP	100	5%	1/10W
R201	1-216-150-00	RES-CHIP	10	5%	1/8W
R202	1-216-150-00	RES-CHIP	10	5%	1/8W
R203	1-216-150-00	RES-CHIP	10	5%	1/8W
R204	1-216-150-00	RES-CHIP	10	5%	1/8W
R205	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R206	1-216-073-00	METAL CHIP	10K	5%	1/10W
R207	1-216-198-00	RES-CHIP	1K	5%	1/8W
R230	1-216-097-00	RES-CHIP	100K	5%	1/10W
R231	1-216-097-00	RES-CHIP	100K	5%	1/10W
R233	1-216-851-11	METAL CHIP	330K	5%	1/16W
R234	1-216-836-11	METAL CHIP	18K	5%	1/16W
R235	1-216-835-11	METAL CHIP	15K	5%	1/16W
R239	1-216-295-00	SHORT	0		
R240	1-216-097-00	RES-CHIP	100K	5%	1/10W
R241	1-216-097-00	RES-CHIP	100K	5%	1/10W
R243	1-216-851-11	METAL CHIP	330K	5%	1/16W
R244	1-216-836-11	METAL CHIP	18K	5%	1/16W
R245	1-216-835-11	METAL CHIP	15K	5%	1/16W
R250	1-208-812-11	RES-CHIP	18K	2%	1/10W
R251	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R252	1-216-077-00	RES-CHIP	15K	5%	1/10W
R253	1-216-105-00	RES-CHIP	220K	5%	1/10W
R254	1-216-864-11	SHORT	0		
R255	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R256	1-216-864-11	METAL CHIP	0	5%	1/16W
R257	1-216-295-00	SHORT	0		
R258	1-216-864-11	METAL CHIP	0	5%	1/16W
R311	1-216-097-00	RES-CHIP	100K	5%	1/10W
R312	1-216-835-11	METAL CHIP	15K	5%	1/16W
R313	1-216-864-11	METAL CHIP	0	5%	1/16W
R314	1-216-025-00	RES-CHIP	100	5%	1/10W
R315	1-216-081-00	METAL CHIP	22K	5%	1/10W
R317	1-216-837-11	METAL CHIP	22K	5%	1/16W
R319	1-216-821-11	METAL CHIP	1K	5%	1/16W
R331	1-216-097-00	RES-CHIP	100K	5%	1/10W
R332	1-216-077-00	RES-CHIP	15K	5%	1/10W
R333	1-216-864-11	METAL CHIP	0	5%	1/16W
R334	1-216-025-00	RES-CHIP	100	5%	1/10W
R335	1-216-081-00	METAL CHIP	22K	5%	1/10W
R337	1-216-837-11	METAL CHIP	22K	5%	1/16W
R339	1-216-049-11	RES-CHIP	1K	5%	1/10W
R351	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R352	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R360	1-216-833-11	RES-CHIP	10K	5%	1/16W
R361	1-216-833-11	RES-CHIP	10K	5%	1/16W
R362	1-216-833-11	RES-CHIP	10K	5%	1/16W
R363	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R364	1-216-841-11	METAL CHIP	47K	5%	1/16W
R365	1-216-073-00	METAL CHIP	10K	5%	1/10W
R366	1-216-073-00	METAL CHIP	10K	5%	1/10W
R367	1-216-073-00	METAL CHIP	10K	5%	1/10W
R368	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R369	1-216-089-00	RES-CHIP	47K	5%	1/10W
R371	1-216-025-00	RES-CHIP	100	5%	1/10W
R372	1-216-073-00	METAL CHIP	10K	5%	1/10W
R411	1-216-845-11	METAL CHIP	100K	5%	1/16W
R412	1-216-835-11	METAL CHIP	15K	5%	1/16W
R413	1-216-864-11	METAL CHIP	0	5%	1/16W
R414	1-216-025-00	RES-CHIP	100	5%	1/10W
R415	1-216-081-00	METAL CHIP	22K	5%	1/10W
R417	1-216-837-11	METAL CHIP	22K	5%	1/16W
R419	1-216-049-11	RES-CHIP	1K	5%	1/10W

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Ref. No.	Part No.	Description			Remark
R431	1-216-845-11	METAL CHIP	100K	5%	1/16W
R432	1-216-835-11	METAL CHIP	15K	5%	1/16W
R433	1-216-864-11	METAL CHIP	0	5%	1/16W
R434	1-216-025-00	RES-CHIP	100	5%	1/10W
R435	1-216-081-00	METAL CHIP	22K	5%	1/10W
R437	1-216-837-11	METAL CHIP	22K	5%	1/16W
R439	1-216-821-11	METAL CHIP	1K	5%	1/16W
R451	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R452	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R460	1-216-833-11	RES-CHIP	10K	5%	1/16W
R461	1-216-073-00	METAL CHIP	10K	5%	1/10W
R462	1-216-833-11	RES-CHIP	10K	5%	1/16W
R463	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R464	1-216-841-11	METAL CHIP	47K	5%	1/16W
R465	1-216-833-11	RES-CHIP	10K	5%	1/16W
R466	1-216-073-00	METAL CHIP	10K	5%	1/10W
R467	1-216-833-11	RES-CHIP	10K	5%	1/16W
R468	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R469	1-216-841-11	METAL CHIP	47K	5%	1/16W
R471	1-216-025-00	RES-CHIP	100	5%	1/10W
R472	1-216-073-00	METAL CHIP	10K	5%	1/10W
R501	1-216-025-00	RES-CHIP	100	5%	1/10W
R502	1-216-845-11	METAL CHIP	100K	5%	1/16W
R503	1-216-089-00	RES-CHIP	47K	5%	1/10W
R504	1-216-089-00	RES-CHIP	47K	5%	1/10W
R505	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R506	1-216-073-00	METAL CHIP	10K	5%	1/10W
R507	1-216-025-00	RES-CHIP	100	5%	1/10W
R508	1-216-841-11	METAL CHIP	47K	5%	1/16W
R509	1-216-833-11	RES-CHIP	10K	5%	1/16W
R511	1-216-017-00	RES-CHIP	47	5%	1/10W
R520	1-216-073-00	METAL CHIP	10K	5%	1/10W
R521	1-208-806-11	RES-CHIP	10K	0.5%	1/10W
R522	1-216-025-00	RES-CHIP	100	5%	1/10W
R523	1-216-025-00	RES-CHIP	100	5%	1/10W
R544	1-216-841-11	METAL CHIP	47K	5%	1/16W
R545	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R561	1-216-845-11	METAL CHIP	100K	5%	1/16W
R569	1-216-001-00	METAL CHIP	10	5%	1/10W
R570	1-216-001-00	METAL CHIP	10	5%	1/10W
R571	1-216-097-00	RES-CHIP	100K	5%	1/10W
R572	1-216-025-00	RES-CHIP	100	5%	1/10W
R573	1-216-025-00	RES-CHIP	100	5%	1/10W
R574	1-216-001-00	METAL CHIP	10	5%	1/10W
R575	1-216-001-00	METAL CHIP	10	5%	1/10W
R576	1-216-025-00	RES-CHIP	100	5%	1/10W
R577	1-216-025-00	RES-CHIP	100	5%	1/10W
R578	1-216-001-00	METAL CHIP	10	5%	1/10W
R579	1-216-001-00	METAL CHIP	10	5%	1/10W
R580	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R581	1-208-806-11	RES-CHIP	10K	0.5%	1/10W
R582	1-208-806-11	RES-CHIP	10K	0.5%	1/10W
R583	1-216-025-00	RES-CHIP	100	5%	1/10W
R584	1-216-025-00	RES-CHIP	100	5%	1/10W
R585	1-216-025-00	RES-CHIP	100	5%	1/10W
R586	1-216-025-00	RES-CHIP	100	5%	1/10W
R587	1-216-049-11	RES-CHIP	1K	5%	1/10W
R588	1-216-049-11	RES-CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R589	1-216-097-00	RES-CHIP	100K	5%	1/10W
R590	1-216-025-00	RES-CHIP	100	5%	1/10W
R591	1-216-097-00	RES-CHIP	100K	5%	1/10W
R592	1-216-025-00	RES-CHIP	100	5%	1/10W
R593	1-216-049-11	RES-CHIP	1K	5%	1/10W
R594	1-216-049-11	RES-CHIP	1K	5%	1/10W
R595	1-216-049-11	RES-CHIP	1K	5%	1/10W
R596	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R597	1-216-001-00	METAL CHIP	10	5%	1/10W
R598	1-216-001-00	METAL CHIP	10	5%	1/10W
R599	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R601	1-216-097-00	RES-CHIP	100K	5%	1/10W
R602	1-216-097-00	RES-CHIP	100K	5%	1/10W
R603	1-216-097-00	RES-CHIP	100K	5%	1/10W
R604	1-216-821-11	METAL CHIP	1K	5%	1/16W
R605	1-216-295-00	SHORT	0		
R606	1-216-073-00	RES-CHIP	10K	5%	1/10W (TYPE B, C)
R607	1-216-081-00	RES-CHIP	22K	5%	1/10W (TYPE C)
R607	1-216-295-00	SHORT	0 (TYPE A)		
R608	1-216-809-11	METAL CHIP	100	5%	1/16W
R609	1-216-837-11	METAL CHIP	22K	5%	1/16W
R610	1-216-845-11	METAL CHIP	100K	5%	1/16W
R611	1-216-845-11	METAL CHIP	100K	5%	1/16W
R612	1-216-097-00	RES-CHIP	100K	5%	1/10W
R613	1-216-097-00	RES-CHIP	100K	5%	1/10W
R614	1-216-097-00	RES-CHIP	100K	5%	1/10W
R615	1-216-097-00	RES-CHIP	100K	5%	1/10W
R616	1-216-845-11	METAL CHIP	100K	5%	1/16W
R617	1-216-073-00	METAL CHIP	10K	5%	1/10W
R619	1-216-073-00	METAL CHIP	10K	5%	1/10W
R622	1-216-833-11	RES-CHIP	10K	5%	1/16W
R623	1-216-097-00	RES-CHIP	100K	5%	1/10W
R624	1-216-049-11	RES-CHIP	1K	5%	1/10W
R625	1-216-049-11	RES-CHIP	1K	5%	1/10W
R626	1-216-097-00	RES-CHIP	100K	5%	1/10W
R628	1-216-821-11	METAL CHIP	1K	5%	1/16W
R631	1-216-097-00	RES-CHIP	100K	5%	1/10W
R632	1-216-097-00	RES-CHIP	100K	5%	1/10W
R633	1-216-809-11	METAL CHIP	100	5%	1/16W
R635	1-216-073-00	METAL CHIP	10K	5%	1/10W
R640	1-216-833-11	RES-CHIP	10K	5%	1/16W
R641	1-216-833-11	RES-CHIP	10K	5%	1/16W
R642	1-216-839-11	METAL CHIP	33K	5%	1/16W
R643	1-216-097-00	RES-CHIP	100K	5%	1/10W
R644	1-216-845-11	METAL CHIP	100K	5%	1/16W
R645	1-216-085-00	METAL CHIP	33K	5%	1/10W
R646	1-216-089-00	RES-CHIP	47K	5%	1/10W
R647	1-216-864-11	METAL CHIP	0	5%	1/16W
R648	1-216-864-11	METAL CHIP	0	5%	1/16W
R649	1-216-864-11	METAL CHIP	0	5%	1/16W
R650	1-216-864-11	METAL CHIP	0	5%	1/16W
R652	1-216-821-11	METAL CHIP	1K	5%	1/16W
R654	1-216-839-11	METAL CHIP	33K	5%	1/16W
R655	1-216-821-11	METAL CHIP	1K	5%	1/16W
R656	1-216-821-11	METAL CHIP	1K	5%	1/16W
R659	1-216-821-11	METAL CHIP	1K	5%	1/16W

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Ref. No.	Part No.	Description			Remark
R661	1-216-089-00	RES-CHIP	47K	5%	1/10W
R662	1-216-085-00	METAL CHIP	33K	5%	1/10W
R663	1-216-857-11	METAL CHIP	1M	5%	1/16W
R664	1-216-809-11	METAL CHIP	100	5%	1/16W
R671	1-216-809-11	METAL CHIP	100	5%	1/16W
R672	1-216-809-11	METAL CHIP	100	5%	1/16W
R673	1-216-821-11	METAL CHIP	1K	5%	1/16W
R674	1-216-821-11	METAL CHIP	1K	5%	1/16W
R675	1-216-295-00	SHORT	0 (C7500R)		
R676	1-216-097-00	RES-CHIP	100K	5%	1/10W (C7500RX)
R690	1-216-833-11	RES-CHIP	10K	5%	1/16W
R700	1-216-833-11	METAL CHIP	10K	5%	1/16W
R701	1-216-017-00	RES-CHIP	47	5%	1/10W
R704	1-216-821-11	METAL CHIP	1K	5%	1/16W
R705	1-216-821-11	METAL CHIP	1K	5%	1/16W
R707	1-216-295-00	SHORT	0		
R708	1-216-841-11	RES-CHIP	47K	5%	1/16W
R709	1-216-845-11	METAL CHIP	100K	5%	1/16W
R710	1-216-025-00	RES-CHIP	100	5%	1/10W
R711	1-216-222-00	RES-CHIP	10K	5%	1/8W
R712	1-216-214-00	RES-CHIP	4.7K	5%	1/8W
R713	1-216-089-00	RES-CHIP	47K	5%	1/10W
R714	1-216-841-11	METAL CHIP	47K	5%	1/16W
R715	1-216-841-11	METAL CHIP	47K	5%	1/16W
R716	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R717	1-216-841-11	METAL CHIP	47K	5%	1/16W
R718	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R719	1-216-214-00	RES-CHIP	4.7K	5%	1/8W
R725	1-216-049-11	RES-CHIP	1K	5%	1/10W
R800	1-216-033-00	METAL CHIP	220	5%	1/10W
R801	1-216-845-11	METAL CHIP	100K	5%	1/16W
R802	1-216-049-11	RES-CHIP	1K	5%	1/10W
R803	1-216-097-00	RES-CHIP	100K	5%	1/10W
R804	1-216-809-11	METAL CHIP	100	5%	1/16W
R805	1-216-809-11	METAL CHIP	100	5%	1/16W
R806	1-216-049-11	RES-CHIP	1K	5%	1/10W
R807	1-216-845-11	METAL CHIP	100K	5%	1/16W
R808	1-216-845-11	METAL CHIP	100K	5%	1/16W
R809	1-216-025-00	RES-CHIP	100	5%	1/10W
R810	1-216-025-00	RES-CHIP	100	5%	1/10W
R811	1-216-025-00	RES-CHIP	100	5%	1/10W
R812	1-216-845-11	METAL CHIP	100K	5%	1/16W
R813	1-216-845-11	METAL CHIP	100K	5%	1/16W
R814	1-216-845-11	METAL CHIP	100K	5%	1/16W
R816	1-216-295-00	SHORT	0		
R817	1-216-097-00	RES-CHIP	100K	5%	1/10W
R818	1-216-049-11	RES-CHIP	1K	5%	1/10W
R819	1-216-025-00	RES-CHIP	100	5%	1/10W
R820	1-216-821-11	METAL CHIP	1K	5%	1/16W
R821	1-216-025-00	RES-CHIP	100	5%	1/10W
R822	1-216-025-00	RES-CHIP	100	5%	1/10W
R823	1-216-025-00	RES-CHIP	100	5%	1/10W
		< COMPOSITION CIRCUIT BLOCK >			
RB10	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB600	1-236-904-11	NETWORK RESISTOR (CHIP) 1K			
RB601	1-236-904-11	NETWORK RESISTOR (CHIP) 1K			
RB603	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
		< VARIABLE RESISTOR >			
RV230	1-223-829-11	RES, ADJ, CARBON 1K			
RV240	1-223-829-11	RES, ADJ, CARBON 1K			
		< SWITCH >			
S500	1-692-431-21	SWITCH, TACTILE (RESET)			
S600	1-771-540-11	SWITCH, PUSH (1 KEY) (NOSE DETECT)			
		< THERMISTOR >			
TH501	1-803-350-21	THERMISTOR, POSITIVE			
TH700	1-801-726-11	THERMISTOR, POSITIVE			
TH701	1-801-726-11	THERMISTOR, POSITIVE			
		< TUNER UNIT >			
TUX1	A-3220-738-A	FM/AM TUNER UNIT (TUX-020)			
		< VIBRATOR >			
X50	1-579-242-41	VIBRATOR, CRYSTAL (4.332MHz)			
X100	1-579-280-31	VIBRATOR, CRYSTAL (16.933MHz)			
X600	1-567-098-41	VIBRATOR, CRYSTAL (32.768kHz)			
X601	1-767-833-21	VIBRATOR, CERAMIC (3.68MHz)			
X800	1-781-294-21	VIBRATOR, CRYSTAL (18.432MHz)			
**********					
*	1-676-603-12	SUB BOARD			
		**********			
	1-792-195-11	CABLE, FLEXIBLE FLAT			
		< CONNECTOR >			
CN801	1-794-064-11	SOCKET, CONNECTOR 14P (C7500RX)			
CNP801	1-794-064-11	SOCKET, CONNECTOR 14P (C7500R)			
		< LED >			
LED801	8-719-038-07	LED CL-190PG-CD-T (TAPE WINDOW)			(C7500R)
LED801	8-719-061-16	LED CL-190SR-CD-T (TAPE WINDOW)			(C7500RX)
		< SWITCH >			
LSW801	1-771-609-11	SWITCH, TACTILE (WITH LED) (⏏) (C7500R)			
LSW801	1-771-883-11	SWITCH, TACTILE (WITH LED) (⏏) (C7500RX)			
**********					
		MISCELLANEOUS			
		**********			
3	1-792-195-11	CABLE, FLEXIBLE FLAT			
14	1-776-207-72	CORD (WITH CONNECTOR) (POWER) (E)			
14	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER)			(EXCEPT E)
60	1-694-660-11	CONDUCTIVE BOARD, CONNECTION			
F1	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) (10A)			
HP901	1-500-196-21	HEAD, MAGNETIC (PLAYBACK)			
LCD901	1-803-915-11	DISPLAY PANEL, LIQUID CRYSTAL (C7500R)			
LCD901	1-803-915-21	DISPLAY PANEL, LIQUID CRYSTAL (C7500RX)			
M901	A-3291-665-A	MOTOR ASSY, MAIN (CAPSTAN/REEL)			
**********					

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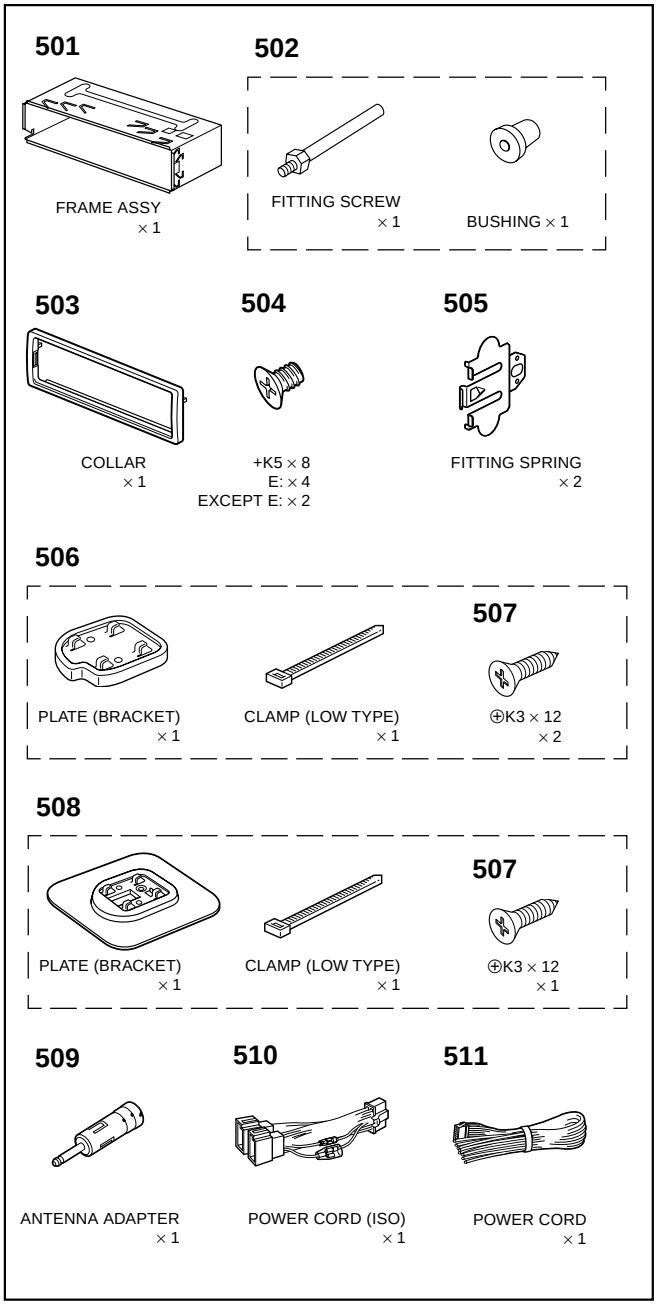
Ref. No.	Part No.	Description	Remark
		**********	
		HARDWARE LIST	
		**********	
#1	7-685-793-09	SCREW +PTT 2.6X8 (S)	
#2	7-621-772-20	SCREW +B 2X5	
#3	7-685-792-09	SCREW +PTT 2.6X6 (S)	
#4	7-627-553-28	SCREW, PRECISION +P 2X2.5	
#5	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
#6	7-624-104-04	STOP RING 2.0, TYPE-E	
#7	7-627-553-17	PRECISION SCREW +P 2X2 TYPE 3	
#8	7-685-106-19	SCREW +P 2X10 TYPE2 NON-SLIT	
#9	7-685-795-09	SCREW +PTT 2.6X12 (S)	
#10	7-685-791-09	SCREW +PTT 2.6X5 (S)	
**********			
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-418-812-11	WIRELESS REMOTE COMMANDER (RM-X91)	(E)
	1-473-067-71	WIRED REMOTE COMMANDER (RM-X4S)	(EXCEPT E)
	3-034-360-01	LABEL (DSPL) (2) (for RM-X4S) (EXCEPT E)	
	3-044-623-01	HOLDER, BATTERY (for RM-X91) (E)	
	3-046-400-11	MANUAL, INSTRUCTION (ENGLISH, SPANISH, SWEDISH, PORTUGESE) (AEP, UK)	
	3-046-400-21	MANUAL, INSTRUCTION (FRENCH, GERMAN, DUTCH, ITALIAN, GREEK) (AEP)	
	3-046-400-31	MANUAL, INSTRUCTION (GERMAN) (German)	
	3-046-401-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH, SWEDISH, PORTUGESE) (AEP, UK)	
	3-046-401-21	MANUAL, INSTRUCTION, INSTALL (FRENCH, GERMAN, DUTCH, ITALIAN, GREEK) (AEP, German)	
	3-046-489-11	MANUAL, INSTRUCTION (ENGLISH, SPANISH, CHINESE) (E)	
	3-046-490-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH, CHINESE) (E)	
	X-3378-490-1	CASE (PANEL) ASSY (for FRONT PANEL)	
**********			
		PARTS FOR INSTALLATION AND CONNECTIONS	
		**********	
501	X-3373-602-1	FRAME ASSY	
502	X-3366-405-1	SCREW ASSY (EXP), FITTING	
503	3-040-979-01	COLLAR	
504	3-934-325-01	SCREW, +K (5X8) TAPPING	
505	3-233-644-01	SPRING, FITTING	
506	X-3369-817-1	BRACKET ASSY (for RM-X4S) (AEP, UK)	
507	7-685-248-14	SCREW +KTP 3X12 TYPE4	
508	X-3373-432-1	BRACKET ASSY (for RM-X4S) (AEP, German)	
509	1-465-459-21	ADAPTER, ANTENNA (EXCEPT E)	
510	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER)	(EXCEPT E)
511	1-776-207-72	CORD (WITH CONNECTOR) (POWER) (E)	



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